

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

May 31, 2025

Illinois Environmental Protection Agency
DWPC – Permits MC#15
Attn: Part 845 Coal Combustion Residual Rule Submittal
2520 W Iles Ave.
P.O. Box 19276
Springfield, IL 62794

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

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Illinois Power Generating Company is submitting groundwater monitoring data for the Quarter 1, 2025 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 evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances¹ 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 ultimately selects a remedy to address all releases from AP1. The selected remedy meets the performance standards of 35 I.A.C. § 845.670(d), and a public meeting was held on May 1, 2025, prior to selection of a remedy in accordance with 35 I.A.C. § 845.660(d) and a 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,



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

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 1, 2025, Ash Pond No. 1, Coffeen Power Plant, Coffeen, Illinois

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Illinois Power Generating Company's operating permit application for Coffeen Power Plant AP1. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Illinois Power Generating Company has not identified any actual exceedances.

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES¹
QUARTER 1, 2025
ASH POND NO. 1, COFFEEN POWER PLANT, COFFEEN, ILLINOIS

May 31, 2025

Samples were collected and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on April 1, 2025.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 1, 2025 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 1, 2025 sampling event.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan submitted with the operating permit application (Appendix A of the Groundwater Monitoring Plan², constituent concentrations observed at compliance monitoring wells in Quarter 1, 2025 were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS (**Table 2**). **Attachment C** shows the results of the comparison to background levels.

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

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 1, 2025
Table 2	Evaluation of Compliance - Quarter 1, 2025

FIGURES

Figure 1	Monitoring Well Location Map

ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 1, 2025
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 1, 2025
Attachment C	Comparison to Background - Quarter 1, 2025

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Illinois Power Generating Company's operating permit application for Coffeen Power Plant Ash Pond No. 1. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Illinois Power Generating Company has not identified any actual exceedances.

² Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. Ash Pond No. 1. Coffeen Power Plant. Coffeen, Illinois. October 25, 2021.*

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G281	Background	E008	02/05/2025	Antimony, total	0.0004 U	mg/L
G281	Background	E008	02/05/2025	Arsenic, total	0.0005 J	mg/L
G281	Background	E008	02/05/2025	Barium, total	0.0640	mg/L
G281	Background	E008	02/05/2025	Beryllium, total	0.0002 U	mg/L
G281	Background	E008	02/05/2025	Boron, total	0.011 J	mg/L
G281	Background	E008	02/05/2025	Cadmium, total	0.0002 U	mg/L
G281	Background	E008	02/05/2025	Calcium, total	150	mg/L
G281	Background	E008	02/05/2025	Chloride, total	77.5	mg/L
G281	Background	E008	02/05/2025	Chromium, total	0.0009 J	mg/L
G281	Background	E008	02/05/2025	Cobalt, total	0.0003 J	mg/L
G281	Background	E008	02/05/2025	Dissolved Oxygen	1.20	mg/L
G281	Background	E008	02/05/2025	Fluoride, total	0.2 U	mg/L
G281	Background	E008	02/05/2025	Lead, total	0.0006 U	mg/L
G281	Background	E008	02/05/2025	Lithium, total	0.00460	mg/L
G281	Background	E008	02/05/2025	Mercury, total	0.00006 U	mg/L
G281	Background	E008	02/05/2025	Molybdenum, total	0.0006 U	mg/L
G281	Background	E008	02/05/2025	Oxidation Reduction Potential	85.0	mV
G281	Background	E008	02/05/2025	pH (field)	7.0	SU
G281	Background	E008	02/05/2025	Radium 226 + Radium 228, total	0.308	pCi/L
G281	Background	E008	02/05/2025	Selenium, total	0.0006 U	mg/L
G281	Background	E008	02/05/2025	Specific Conductance @ 25C (field)	1,360	micromhos/cm
G281	Background	E008	02/05/2025	Sulfate, total	312	mg/L
G281	Background	E008	02/05/2025	Temperature	12.0	degrees C
G281	Background	E008	02/05/2025	Thallium, total	0.001 U	mg/L
G281	Background	E008	02/05/2025	Total Dissolved Solids	1,070	mg/L
G281	Background	E008	02/05/2025	Turbidity, field	7.70	NTU
G306	Background	E008	02/10/2025	Antimony, total	0.0004 U	mg/L
G306	Background	E008	02/10/2025	Arsenic, total	0.0004 U	mg/L
G306	Background	E008	02/10/2025	Barium, total	0.0312	mg/L
G306	Background	E008	02/10/2025	Beryllium, total	0.0002 U	mg/L
G306	Background	E008	02/10/2025	Boron, total	1.86	mg/L
G306	Background	E008	02/10/2025	Cadmium, total	0.0002 U	mg/L
G306	Background	E008	02/10/2025	Calcium, total	73.1	mg/L
G306	Background	E008	02/10/2025	Chloride, total	1.9 J	mg/L
G306	Background	E008	02/10/2025	Chromium, total	0.00170	mg/L
G306	Background	E008	02/10/2025	Cobalt, total	0.0002 J	mg/L
G306	Background	E008	02/10/2025	Dissolved Oxygen	2.11	mg/L
G306	Background	E008	02/10/2025	Fluoride, total	0.2 U	mg/L
G306	Background	E008	02/10/2025	Lead, total	0.0006 U	mg/L
G306	Background	E008	02/10/2025	Lithium, total	0.00370	mg/L
G306	Background	E008	02/10/2025	Mercury, total	0.00006 U	mg/L
G306	Background	E008	02/10/2025	Molybdenum, total	0.0006 U	mg/L
G306	Background	E008	02/10/2025	Oxidation Reduction Potential	102	mV
G306	Background	E008	02/10/2025	pH (field)	6.3	SU
G306	Background	E008	02/10/2025	Radium 226 + Radium 228, total	0.17	pCi/L
G306	Background	E008	02/10/2025	Selenium, total	0.0006 U	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
G306	Background	E008	02/10/2025	Specific Conductance @ 25C (field)	620	micromhos/cm
G306	Background	E008	02/10/2025	Sulfate, total	116	mg/L
G306	Background	E008	02/10/2025	Temperature	12.1	degrees C
G306	Background	E008	02/10/2025	Thallium, total	0.001 U	mg/L
G306	Background	E008	02/10/2025	Total Dissolved Solids	502 J+	mg/L
G306	Background	E008	02/10/2025	Turbidity, field	93.0	NTU
G301	Compliance	E008	02/07/2025	Antimony, total	0.0006 J	mg/L
G301	Compliance	E008	02/07/2025	Arsenic, total	0.0004 U	mg/L
G301	Compliance	E008	02/07/2025	Barium, total	0.0227	mg/L
G301	Compliance	E008	02/07/2025	Beryllium, total	0.0002 U	mg/L
G301	Compliance	E008	02/07/2025	Boron, total	1.77	mg/L
G301	Compliance	E008	02/07/2025	Cadmium, total	0.0002 U	mg/L
G301	Compliance	E008	02/07/2025	Calcium, total	96.3	mg/L
G301	Compliance	E008	02/07/2025	Chloride, total	9.67	mg/L
G301	Compliance	E008	02/07/2025	Chromium, total	0.00150	mg/L
G301	Compliance	E008	02/07/2025	Cobalt, total	0.00120	mg/L
G301	Compliance	E008	02/07/2025	Dissolved Oxygen	2.35	mg/L
G301	Compliance	E008	02/07/2025	Fluoride, total	0.2 U	mg/L
G301	Compliance	E008	02/07/2025	Lead, total	0.00110	mg/L
G301	Compliance	E008	02/07/2025	Lithium, total	0.00560	mg/L
G301	Compliance	E008	02/07/2025	Mercury, total	0.00006 U	mg/L
G301	Compliance	E008	02/07/2025	Molybdenum, total	0.0006 U	mg/L
G301	Compliance	E008	02/07/2025	Oxidation Reduction Potential	80.0	mV
G301	Compliance	E008	02/07/2025	pH (field)	6.9	SU
G301	Compliance	E008	02/07/2025	Radium 226 + Radium 228, total	0.567	pCi/L
G301	Compliance	E008	02/07/2025	Selenium, total	0.0006 U	mg/L
G301	Compliance	E008	02/07/2025	Specific Conductance @ 25C (field)	1,070	micromhos/cm
G301	Compliance	E008	02/07/2025	Sulfate, total	444	mg/L
G301	Compliance	E008	02/07/2025	Temperature	11.2	degrees C
G301	Compliance	E008	02/07/2025	Thallium, total	0.001 U	mg/L
G301	Compliance	E008	02/07/2025	Total Dissolved Solids	832	mg/L
G301	Compliance	E008	02/07/2025	Turbidity, field	11.0	NTU
G302	Compliance	E008	02/07/2025	Antimony, total	0.0004 U	mg/L
G302	Compliance	E008	02/07/2025	Arsenic, total	0.00190	mg/L
G302	Compliance	E008	02/07/2025	Barium, total	0.0343	mg/L
G302	Compliance	E008	02/07/2025	Beryllium, total	0.0002 U	mg/L
G302	Compliance	E008	02/07/2025	Boron, total	2.39	mg/L
G302	Compliance	E008	02/07/2025	Cadmium, total	0.0002 U	mg/L
G302	Compliance	E008	02/07/2025	Calcium, total	192	mg/L
G302	Compliance	E008	02/07/2025	Chloride, total	20.0	mg/L
G302	Compliance	E008	02/07/2025	Chromium, total	0.00210	mg/L
G302	Compliance	E008	02/07/2025	Cobalt, total	0.00160	mg/L
G302	Compliance	E008	02/07/2025	Dissolved Oxygen	4.20	mg/L
G302	Compliance	E008	02/07/2025	Fluoride, total	0.2 U	mg/L
G302	Compliance	E008	02/07/2025	Lead, total	0.00110	mg/L
G302	Compliance	E008	02/07/2025	Lithium, total	0.0191	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G302	Compliance	E008	02/07/2025	Mercury, total	0.00006 U	mg/L
G302	Compliance	E008	02/07/2025	Molybdenum, total	0.0008 J	mg/L
G302	Compliance	E008	02/07/2025	Oxidation Reduction Potential	-18.0	mV
G302	Compliance	E008	02/07/2025	pH (field)	7.1	SU
G302	Compliance	E008	02/07/2025	Radium 226 + Radium 228, total	0	pCi/L
G302	Compliance	E008	02/07/2025	Selenium, total	0.0006 U	mg/L
G302	Compliance	E008	02/07/2025	Specific Conductance @ 25C (field)	1,700	micromhos/cm
G302	Compliance	E008	02/07/2025	Sulfate, total	606	mg/L
G302	Compliance	E008	02/07/2025	Temperature	9.30	degrees C
G302	Compliance	E008	02/07/2025	Thallium, total	0.001 U	mg/L
G302	Compliance	E008	02/07/2025	Total Dissolved Solids	1,410	mg/L
G302	Compliance	E008	02/07/2025	Turbidity, field	47.0	NTU
G303	Compliance	E008	02/10/2025	Antimony, total	0.0004 U	mg/L
G303	Compliance	E008	02/10/2025	Arsenic, total	0.00130	mg/L
G303	Compliance	E008	02/10/2025	Barium, total	0.0163 J	mg/L
G303	Compliance	E008	02/10/2025	Beryllium, total	0.0002 U	mg/L
G303	Compliance	E008	02/10/2025	Boron, total	2.13	mg/L
G303	Compliance	E008	02/10/2025	Cadmium, total	0.0002 U	mg/L
G303	Compliance	E008	02/10/2025	Calcium, total	148	mg/L
G303	Compliance	E008	02/10/2025	Chloride, total	23.6	mg/L
G303	Compliance	E008	02/10/2025	Chromium, total	0.00150 J	mg/L
G303	Compliance	E008	02/10/2025	Cobalt, total	0.0009 J	mg/L
G303	Compliance	E008	02/10/2025	Dissolved Oxygen	2.48	mg/L
G303	Compliance	E008	02/10/2025	Fluoride, total	0.22 J	mg/L
G303	Compliance	E008	02/10/2025	Lead, total	0.0009 J	mg/L
G303	Compliance	E008	02/10/2025	Lithium, total	0.0188	mg/L
G303	Compliance	E008	02/10/2025	Mercury, total	0.00006 U	mg/L
G303	Compliance	E008	02/10/2025	Molybdenum, total	0.0012 J	mg/L
G303	Compliance	E008	02/10/2025	Oxidation Reduction Potential	58.0	mV
G303	Compliance	E008	02/10/2025	pH (field)	6.8	SU
G303	Compliance	E008	02/10/2025	Radium 226 + Radium 228, total	0.21	pCi/L
G303	Compliance	E008	02/10/2025	Selenium, total	0.0006 U	mg/L
G303	Compliance	E008	02/10/2025	Specific Conductance @ 25C (field)	1,800	micromhos/cm
G303	Compliance	E008	02/10/2025	Sulfate, total	625	mg/L
G303	Compliance	E008	02/10/2025	Temperature	11.2	degrees C
G303	Compliance	E008	02/10/2025	Thallium, total	0.001 U	mg/L
G303	Compliance	E008	02/10/2025	Total Dissolved Solids	1,510	mg/L
G303	Compliance	E008	02/10/2025	Turbidity, field	62.0	NTU
G305	Compliance	E008	02/10/2025	Antimony, total	0.0004 U	mg/L
G305	Compliance	E008	02/10/2025	Arsenic, total	0.0005 J	mg/L
G305	Compliance	E008	02/10/2025	Barium, total	0.0214	mg/L
G305	Compliance	E008	02/10/2025	Beryllium, total	0.0002 U	mg/L
G305	Compliance	E008	02/10/2025	Boron, total	1.99	mg/L
G305	Compliance	E008	02/10/2025	Cadmium, total	0.0002 U	mg/L
G305	Compliance	E008	02/10/2025	Calcium, total	158	mg/L
G305	Compliance	E008	02/10/2025	Chloride, total	16.7	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G305	Compliance	E008	02/10/2025	Chromium, total	0.001 J	mg/L
G305	Compliance	E008	02/10/2025	Cobalt, total	0.0003 J	mg/L
G305	Compliance	E008	02/10/2025	Dissolved Oxygen	1.94	mg/L
G305	Compliance	E008	02/10/2025	Fluoride, total	0.42 J	mg/L
G305	Compliance	E008	02/10/2025	Lead, total	0.0006 U	mg/L
G305	Compliance	E008	02/10/2025	Lithium, total	0.00750	mg/L
G305	Compliance	E008	02/10/2025	Mercury, total	0.00006 U	mg/L
G305	Compliance	E008	02/10/2025	Molybdenum, total	0.0007 J	mg/L
G305	Compliance	E008	02/10/2025	Oxidation Reduction Potential	90.0	mV
G305	Compliance	E008	02/10/2025	pH (field)	7.1	SU
G305	Compliance	E008	02/10/2025	Radium 226 + Radium 228, total	0.23	pCi/L
G305	Compliance	E008	02/10/2025	Selenium, total	0.0006 U	mg/L
G305	Compliance	E008	02/10/2025	Specific Conductance @ 25C (field)	1,620	micromhos/cm
G305	Compliance	E008	02/10/2025	Sulfate, total	817	mg/L
G305	Compliance	E008	02/10/2025	Temperature	12.4	degrees C
G305	Compliance	E008	02/10/2025	Thallium, total	0.001 U	mg/L
G305	Compliance	E008	02/10/2025	Total Dissolved Solids	1,410	mg/L
G305	Compliance	E008	02/10/2025	Turbidity, field	11.0	NTU
G307	Compliance	E008	02/28/2025	Antimony, total	0.0004 U	mg/L
G307	Compliance	E008	02/28/2025	Arsenic, total	0.00170	mg/L
G307	Compliance	E008	02/28/2025	Barium, total	0.0515	mg/L
G307	Compliance	E008	02/28/2025	Beryllium, total	0.0003 J	mg/L
G307	Compliance	E008	02/28/2025	Boron, total	1.70	mg/L
G307	Compliance	E008	02/28/2025	Cadmium, total	0.0003 J	mg/L
G307	Compliance	E008	02/28/2025	Calcium, total	134	mg/L
G307	Compliance	E008	02/28/2025	Chloride, total	8.75	mg/L
G307	Compliance	E008	02/28/2025	Chromium, total	0.00750	mg/L
G307	Compliance	E008	02/28/2025	Cobalt, total	0.00280	mg/L
G307	Compliance	E008	02/28/2025	Dissolved Oxygen	0.690	mg/L
G307	Compliance	E008	02/28/2025	Fluoride, total	0.27 J	mg/L
G307	Compliance	E008	02/28/2025	Lead, total	0.00310	mg/L
G307	Compliance	E008	02/28/2025	Lithium, total	0.0116	mg/L
G307	Compliance	E008	02/28/2025	Mercury, total	0.000730	mg/L
G307	Compliance	E008	02/28/2025	Molybdenum, total	0.0013 J	mg/L
G307	Compliance	E008	02/28/2025	Oxidation Reduction Potential	-7.00	mV
G307	Compliance	E008	02/28/2025	pH (field)	6.8	SU
G307	Compliance	E008	02/28/2025	Radium 226 + Radium 228, total	0.324	pCi/L
G307	Compliance	E008	02/28/2025	Selenium, total	0.0006 U	mg/L
G307	Compliance	E008	02/28/2025	Specific Conductance @ 25C (field)	859	micromhos/cm
G307	Compliance	E008	02/28/2025	Sulfate, total	482	mg/L
G307	Compliance	E008	02/28/2025	Temperature	12.5	degrees C
G307	Compliance	E008	02/28/2025	Thallium, total	0.001 U	mg/L
G307	Compliance	E008	02/28/2025	Total Dissolved Solids	968	mg/L
G307	Compliance	E008	02/28/2025	Turbidity, field	130	NTU
G307D	Compliance	E008	02/10/2025	Antimony, total	0.0004 U	mg/L
G307D	Compliance	E008	02/10/2025	Arsenic, total	0.00250	mg/L

TABLE 1.
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G307D	Compliance	E008	02/10/2025	Barium, total	0.0230	mg/L
G307D	Compliance	E008	02/10/2025	Beryllium, total	0.0002 U	mg/L
G307D	Compliance	E008	02/10/2025	Boron, total	1.41	mg/L
G307D	Compliance	E008	02/10/2025	Cadmium, total	0.0002 U	mg/L
G307D	Compliance	E008	02/10/2025	Calcium, total	114	mg/L
G307D	Compliance	E008	02/10/2025	Chloride, total	13.9	mg/L
G307D	Compliance	E008	02/10/2025	Chromium, total	0.0007 U	mg/L
G307D	Compliance	E008	02/10/2025	Cobalt, total	0.0003 J	mg/L
G307D	Compliance	E008	02/10/2025	Dissolved Oxygen	2.24	mg/L
G307D	Compliance	E008	02/10/2025	Fluoride, total	0.700	mg/L
G307D	Compliance	E008	02/10/2025	Lead, total	0.0006 U	mg/L
G307D	Compliance	E008	02/10/2025	Lithium, total	0.0025 J	mg/L
G307D	Compliance	E008	02/10/2025	Mercury, total	0.00006 U	mg/L
G307D	Compliance	E008	02/10/2025	Molybdenum, total	0.00490	mg/L
G307D	Compliance	E008	02/10/2025	Oxidation Reduction Potential	-118	mV
G307D	Compliance	E008	02/10/2025	pH (field)	7.2	SU
G307D	Compliance	E008	02/10/2025	Radium 226 + Radium 228, total	1.27	pCi/L
G307D	Compliance	E008	02/10/2025	Selenium, total	0.0006 U	mg/L
G307D	Compliance	E008	02/10/2025	Specific Conductance @ 25C (field)	1,250	micromhos/cm
G307D	Compliance	E008	02/10/2025	Sulfate, total	479	mg/L
G307D	Compliance	E008	02/10/2025	Temperature	11.8	degrees C
G307D	Compliance	E008	02/10/2025	Thallium, total	0.001 U	mg/L
G307D	Compliance	E008	02/10/2025	Total Dissolved Solids	845	mg/L
G307D	Compliance	E008	02/10/2025	Turbidity, field	2.80	NTU
G308	Compliance	E008	02/10/2025	Antimony, total	0.0004 U	mg/L
G308	Compliance	E008	02/10/2025	Arsenic, total	0.0004 J	mg/L
G308	Compliance	E008	02/10/2025	Barium, total	0.0148	mg/L
G308	Compliance	E008	02/10/2025	Beryllium, total	0.0002 U	mg/L
G308	Compliance	E008	02/10/2025	Boron, total	2.19	mg/L
G308	Compliance	E008	02/10/2025	Cadmium, total	0.0002 U	mg/L
G308	Compliance	E008	02/10/2025	Calcium, total	153	mg/L
G308	Compliance	E008	02/10/2025	Chloride, total	8.19	mg/L
G308	Compliance	E008	02/10/2025	Chromium, total	0.0009 J	mg/L
G308	Compliance	E008	02/10/2025	Cobalt, total	0.0004 J	mg/L
G308	Compliance	E008	02/10/2025	Dissolved Oxygen	0.820	mg/L
G308	Compliance	E008	02/10/2025	Fluoride, total	0.49 J	mg/L
G308	Compliance	E008	02/10/2025	Lead, total	0.0006 U	mg/L
G308	Compliance	E008	02/10/2025	Lithium, total	0.00610	mg/L
G308	Compliance	E008	02/10/2025	Mercury, total	0.00006 U	mg/L
G308	Compliance	E008	02/10/2025	Molybdenum, total	0.001 J	mg/L
G308	Compliance	E008	02/10/2025	Oxidation Reduction Potential	24.0	mV
G308	Compliance	E008	02/10/2025	pH (field)	7.1	SU
G308	Compliance	E008	02/10/2025	Radium 226 + Radium 228, total	0.0966	pCi/L
G308	Compliance	E008	02/10/2025	Selenium, total	0.0006 U	mg/L
G308	Compliance	E008	02/10/2025	Specific Conductance @ 25C (field)	1,540	micromhos/cm
G308	Compliance	E008	02/10/2025	Sulfate, total	805	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
COFFEEN POWER PLANT
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COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G308	Compliance	E008	02/10/2025	Temperature	11.9	degrees C
G308	Compliance	E008	02/10/2025	Thallium, total	0.001 U	mg/L
G308	Compliance	E008	02/10/2025	Total Dissolved Solids	1,380	mg/L
G308	Compliance	E008	02/10/2025	Turbidity, field	5.40	NTU
G310	Compliance	E008	02/07/2025	Antimony, total	0.0004 U	mg/L
G310	Compliance	E008	02/07/2025	Arsenic, total	0.0004 U	mg/L
G310	Compliance	E008	02/07/2025	Barium, total	0.0143	mg/L
G310	Compliance	E008	02/07/2025	Beryllium, total	0.0002 U	mg/L
G310	Compliance	E008	02/07/2025	Boron, total	1.78	mg/L
G310	Compliance	E008	02/07/2025	Cadmium, total	0.0002 J	mg/L
G310	Compliance	E008	02/07/2025	Calcium, total	133	mg/L
G310	Compliance	E008	02/07/2025	Chloride, total	9.47	mg/L
G310	Compliance	E008	02/07/2025	Chromium, total	0.0014 J	mg/L
G310	Compliance	E008	02/07/2025	Cobalt, total	0.00110	mg/L
G310	Compliance	E008	02/07/2025	Dissolved Oxygen	0.710	mg/L
G310	Compliance	E008	02/07/2025	Fluoride, total	0.2 U	mg/L
G310	Compliance	E008	02/07/2025	Lead, total	0.0006 U	mg/L
G310	Compliance	E008	02/07/2025	Lithium, total	0.00740	mg/L
G310	Compliance	E008	02/07/2025	Mercury, total	0.00006 U	mg/L
G310	Compliance	E008	02/07/2025	Molybdenum, total	0.0006 U	mg/L
G310	Compliance	E008	02/07/2025	Oxidation Reduction Potential	35.0	mV
G310	Compliance	E008	02/07/2025	pH (field)	7.0	SU
G310	Compliance	E008	02/07/2025	Radium 226 + Radium 228, total	0.405	pCi/L
G310	Compliance	E008	02/07/2025	Selenium, total	0.0006 U	mg/L
G310	Compliance	E008	02/07/2025	Specific Conductance @ 25C (field)	1,150	micromhos/cm
G310	Compliance	E008	02/07/2025	Sulfate, total	457	mg/L
G310	Compliance	E008	02/07/2025	Temperature	12.6	degrees C
G310	Compliance	E008	02/07/2025	Thallium, total	0.001 U	mg/L
G310	Compliance	E008	02/07/2025	Total Dissolved Solids	962	mg/L
G310	Compliance	E008	02/07/2025	Turbidity, field	1.10	NTU
G312	Compliance	E008	02/10/2025	Antimony, total	0.0004 U	mg/L
G312	Compliance	E008	02/10/2025	Arsenic, total	0.0004 U	mg/L
G312	Compliance	E008	02/10/2025	Barium, total	0.0352	mg/L
G312	Compliance	E008	02/10/2025	Beryllium, total	0.0002 U	mg/L
G312	Compliance	E008	02/10/2025	Boron, total	3.37	mg/L
G312	Compliance	E008	02/10/2025	Cadmium, total	0.0002 U	mg/L
G312	Compliance	E008	02/10/2025	Calcium, total	176	mg/L
G312	Compliance	E008	02/10/2025	Chloride, total	22.8	mg/L
G312	Compliance	E008	02/10/2025	Chromium, total	0.001 J	mg/L
G312	Compliance	E008	02/10/2025	Cobalt, total	0.00130	mg/L
G312	Compliance	E008	02/10/2025	Dissolved Oxygen	1.91	mg/L
G312	Compliance	E008	02/10/2025	Fluoride, total	0.2 U	mg/L
G312	Compliance	E008	02/10/2025	Lead, total	0.0006 U	mg/L
G312	Compliance	E008	02/10/2025	Lithium, total	0.0152	mg/L
G312	Compliance	E008	02/10/2025	Mercury, total	0.00006 U	mg/L
G312	Compliance	E008	02/10/2025	Molybdenum, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
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ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G312	Compliance	E008	02/10/2025	Oxidation Reduction Potential	108	mV
G312	Compliance	E008	02/10/2025	pH (field)	6.3	SU
G312	Compliance	E008	02/10/2025	Radium 226 + Radium 228, total	0.304	pCi/L
G312	Compliance	E008	02/10/2025	Selenium, total	0.0006 U	mg/L
G312	Compliance	E008	02/10/2025	Specific Conductance @ 25C (field)	2,010	micromhos/cm
G312	Compliance	E008	02/10/2025	Sulfate, total	946	mg/L
G312	Compliance	E008	02/10/2025	Temperature	12.3	degrees C
G312	Compliance	E008	02/10/2025	Thallium, total	0.001 U	mg/L
G312	Compliance	E008	02/10/2025	Total Dissolved Solids	1,860	mg/L
G312	Compliance	E008	02/10/2025	Turbidity, field	1 U	NTU
G313	Compliance	E008	02/11/2025	Antimony, total	0.0004 U	mg/L
G313	Compliance	E008	02/11/2025	Arsenic, total	0.0005 J	mg/L
G313	Compliance	E008	02/11/2025	Barium, total	0.0167	mg/L
G313	Compliance	E008	02/11/2025	Beryllium, total	0.0002 U	mg/L
G313	Compliance	E008	02/11/2025	Boron, total	2.90	mg/L
G313	Compliance	E008	02/11/2025	Cadmium, total	0.0002 U	mg/L
G313	Compliance	E008	02/11/2025	Calcium, total	173	mg/L
G313	Compliance	E008	02/11/2025	Chloride, total	16.9	mg/L
G313	Compliance	E008	02/11/2025	Chromium, total	0.0007 U	mg/L
G313	Compliance	E008	02/11/2025	Cobalt, total	0.0006 J	mg/L
G313	Compliance	E008	02/11/2025	Dissolved Oxygen	2.31	mg/L
G313	Compliance	E008	02/11/2025	Fluoride, total	0.2 U	mg/L
G313	Compliance	E008	02/11/2025	Lead, total	0.0006 U	mg/L
G313	Compliance	E008	02/11/2025	Lithium, total	0.0144	mg/L
G313	Compliance	E008	02/11/2025	Mercury, total	0.00006 U	mg/L
G313	Compliance	E008	02/11/2025	Molybdenum, total	0.00250	mg/L
G313	Compliance	E008	02/11/2025	Oxidation Reduction Potential	75.0	mV
G313	Compliance	E008	02/11/2025	pH (field)	6.9	SU
G313	Compliance	E008	02/11/2025	Radium 226 + Radium 228, total	0.04	pCi/L
G313	Compliance	E008	02/11/2025	Selenium, total	0.0006 U	mg/L
G313	Compliance	E008	02/11/2025	Specific Conductance @ 25C (field)	1,670	micromhos/cm
G313	Compliance	E008	02/11/2025	Sulfate, total	612	mg/L
G313	Compliance	E008	02/11/2025	Temperature	10.9	degrees C
G313	Compliance	E008	02/11/2025	Thallium, total	0.001 U	mg/L
G313	Compliance	E008	02/11/2025	Total Dissolved Solids	1,410	mg/L
G313	Compliance	E008	02/11/2025	Turbidity, field	5.80	NTU
G314	Compliance	E008	02/07/2025	Antimony, total	0.0004 U	mg/L
G314	Compliance	E008	02/07/2025	Arsenic, total	0.0005 J	mg/L
G314	Compliance	E008	02/07/2025	Barium, total	0.0219	mg/L
G314	Compliance	E008	02/07/2025	Beryllium, total	0.0002 U	mg/L
G314	Compliance	E008	02/07/2025	Boron, total	0.130	mg/L
G314	Compliance	E008	02/07/2025	Cadmium, total	0.0002 U	mg/L
G314	Compliance	E008	02/07/2025	Calcium, total	633	mg/L
G314	Compliance	E008	02/07/2025	Chloride, total	29.1	mg/L
G314	Compliance	E008	02/07/2025	Chromium, total	0.0013 J	mg/L
G314	Compliance	E008	02/07/2025	Cobalt, total	0.0008 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
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COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G314	Compliance	E008	02/07/2025	Dissolved Oxygen	0.790	mg/L
G314	Compliance	E008	02/07/2025	Fluoride, total	0.2 U	mg/L
G314	Compliance	E008	02/07/2025	Lead, total	0.0006 U	mg/L
G314	Compliance	E008	02/07/2025	Lithium, total	0.00510	mg/L
G314	Compliance	E008	02/07/2025	Mercury, total	0.00006 U	mg/L
G314	Compliance	E008	02/07/2025	Molybdenum, total	0.0008 J	mg/L
G314	Compliance	E008	02/07/2025	Oxidation Reduction Potential	-61.0	mV
G314	Compliance	E008	02/07/2025	pH (field)	6.6	SU
G314	Compliance	E008	02/07/2025	Radium 226 + Radium 228, total	0.789	pCi/L
G314	Compliance	E008	02/07/2025	Selenium, total	0.0006 U	mg/L
G314	Compliance	E008	02/07/2025	Specific Conductance @ 25C (field)	3,460	micromhos/cm
G314	Compliance	E008	02/07/2025	Sulfate, total	2,190	mg/L
G314	Compliance	E008	02/07/2025	Temperature	10.7	degrees C
G314	Compliance	E008	02/07/2025	Thallium, total	0.001 U	mg/L
G314	Compliance	E008	02/07/2025	Total Dissolved Solids	3,810	mg/L
G314	Compliance	E008	02/07/2025	Turbidity, field	110	NTU
G314D	Compliance	E008	02/06/2025	Antimony, total	0.0004 U	mg/L
G314D	Compliance	E008	02/06/2025	Arsenic, total	0.00500 J	mg/L
G314D	Compliance	E008	02/06/2025	Barium, total	0.0269	mg/L
G314D	Compliance	E008	02/06/2025	Beryllium, total	0.0002 U	mg/L
G314D	Compliance	E008	02/06/2025	Boron, total	0.193	mg/L
G314D	Compliance	E008	02/06/2025	Cadmium, total	0.0002 U	mg/L
G314D	Compliance	E008	02/06/2025	Calcium, total	307	mg/L
G314D	Compliance	E008	02/06/2025	Chloride, total	46.0	mg/L
G314D	Compliance	E008	02/06/2025	Chromium, total	0.0007 U	mg/L
G314D	Compliance	E008	02/06/2025	Cobalt, total	0.00230	mg/L
G314D	Compliance	E008	02/06/2025	Dissolved Oxygen	0.430	mg/L
G314D	Compliance	E008	02/06/2025	Fluoride, total	0.44 J	mg/L
G314D	Compliance	E008	02/06/2025	Lead, total	0.0006 U	mg/L
G314D	Compliance	E008	02/06/2025	Lithium, total	0.0116	mg/L
G314D	Compliance	E008	02/06/2025	Mercury, total	0.00011 J	mg/L
G314D	Compliance	E008	02/06/2025	Molybdenum, total	0.00320	mg/L
G314D	Compliance	E008	02/06/2025	Oxidation Reduction Potential	-127	mV
G314D	Compliance	E008	02/06/2025	pH (field)	6.9	SU
G314D	Compliance	E008	02/06/2025	Radium 226 + Radium 228, total	0.864	pCi/L
G314D	Compliance	E008	02/06/2025	Selenium, total	0.0006 U	mg/L
G314D	Compliance	E008	02/06/2025	Specific Conductance @ 25C (field)	2,380	micromhos/cm
G314D	Compliance	E008	02/06/2025	Sulfate, total	1,190	mg/L
G314D	Compliance	E008	02/06/2025	Temperature	11.8	degrees C
G314D	Compliance	E008	02/06/2025	Thallium, total	0.001 U	mg/L
G314D	Compliance	E008	02/06/2025	Total Dissolved Solids	2,440	mg/L
G314D	Compliance	E008	02/06/2025	Turbidity, field	96.0	NTU
G315	Compliance	E008	02/10/2025	Antimony, total	0.0004 U	mg/L
G315	Compliance	E008	02/10/2025	Arsenic, total	0.0004 U	mg/L
G315	Compliance	E008	02/10/2025	Barium, total	0.0159	mg/L
G315	Compliance	E008	02/10/2025	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G315	Compliance	E008	02/10/2025	Boron, total	1.29	mg/L
G315	Compliance	E008	02/10/2025	Cadmium, total	0.0002 U	mg/L
G315	Compliance	E008	02/10/2025	Calcium, total	104	mg/L
G315	Compliance	E008	02/10/2025	Chloride, total	10.4	mg/L
G315	Compliance	E008	02/10/2025	Chromium, total	0.0007 U	mg/L
G315	Compliance	E008	02/10/2025	Cobalt, total	0.0004 J	mg/L
G315	Compliance	E008	02/10/2025	Dissolved Oxygen	0.950	mg/L
G315	Compliance	E008	02/10/2025	Fluoride, total	0.21 J	mg/L
G315	Compliance	E008	02/10/2025	Lead, total	0.0006 U	mg/L
G315	Compliance	E008	02/10/2025	Lithium, total	0.00480	mg/L
G315	Compliance	E008	02/10/2025	Mercury, total	0.00006 U	mg/L
G315	Compliance	E008	02/10/2025	Molybdenum, total	0.0006 U	mg/L
G315	Compliance	E008	02/10/2025	Oxidation Reduction Potential	95.0	mV
G315	Compliance	E008	02/10/2025	pH (field)	6.8	SU
G315	Compliance	E008	02/10/2025	Radium 226 + Radium 228, total	0.182	pCi/L
G315	Compliance	E008	02/10/2025	Selenium, total	0.0006 U	mg/L
G315	Compliance	E008	02/10/2025	Specific Conductance @ 25C (field)	1,080	micromhos/cm
G315	Compliance	E008	02/10/2025	Sulfate, total	430	mg/L
G315	Compliance	E008	02/10/2025	Temperature	11.2	degrees C
G315	Compliance	E008	02/10/2025	Thallium, total	0.001 U	mg/L
G315	Compliance	E008	02/10/2025	Total Dissolved Solids	910	mg/L
G315	Compliance	E008	02/10/2025	Turbidity, field	1.50	NTU
G316	Compliance	E008	02/10/2025	Antimony, total	0.0004 U	mg/L
G316	Compliance	E008	02/10/2025	Arsenic, total	0.00700	mg/L
G316	Compliance	E008	02/10/2025	Barium, total	0.0563	mg/L
G316	Compliance	E008	02/10/2025	Beryllium, total	0.0002 U	mg/L
G316	Compliance	E008	02/10/2025	Boron, total	0.259	mg/L
G316	Compliance	E008	02/10/2025	Cadmium, total	0.0002 U	mg/L
G316	Compliance	E008	02/10/2025	Calcium, total	158	mg/L
G316	Compliance	E008	02/10/2025	Chloride, total	19.7	mg/L
G316	Compliance	E008	02/10/2025	Chromium, total	0.0007 U	mg/L
G316	Compliance	E008	02/10/2025	Cobalt, total	0.00170	mg/L
G316	Compliance	E008	02/10/2025	Dissolved Oxygen	1.81	mg/L
G316	Compliance	E008	02/10/2025	Fluoride, total	0.27 J	mg/L
G316	Compliance	E008	02/10/2025	Lead, total	0.0006 U	mg/L
G316	Compliance	E008	02/10/2025	Lithium, total	0.0014 U	mg/L
G316	Compliance	E008	02/10/2025	Mercury, total	0.00006 U	mg/L
G316	Compliance	E008	02/10/2025	Molybdenum, total	0.00500	mg/L
G316	Compliance	E008	02/10/2025	Oxidation Reduction Potential	-108	mV
G316	Compliance	E008	02/10/2025	pH (field)	7.0	SU
G316	Compliance	E008	02/10/2025	Radium 226 + Radium 228, total	0.779	pCi/L
G316	Compliance	E008	02/10/2025	Selenium, total	0.0006 U	mg/L
G316	Compliance	E008	02/10/2025	Specific Conductance @ 25C (field)	1,780	micromhos/cm
G316	Compliance	E008	02/10/2025	Sulfate, total	625	mg/L
G316	Compliance	E008	02/10/2025	Temperature	10.6	degrees C
G316	Compliance	E008	02/10/2025	Thallium, total	0.001 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025

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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G316	Compliance	E008	02/10/2025	Total Dissolved Solids	1,290	mg/L
G316	Compliance	E008	02/10/2025	Turbidity, field	13.0	NTU

Notes:

C = Celsius
cm = centimeter
Events:

E008 = Quarter 1, 2025 sampling event
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
Result Code (if applicable):

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

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

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

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G301	UA	E008	Antimony, total	mg/L	11/20/15 - 02/07/25	22	91	CB around T-S line	0.000906	0.006	Standard	No Exceedance
G301	UA	E008	Arsenic, total	mg/L	11/20/15 - 02/07/25	27	70	CI around median	0.001	0.010	Standard	No Exceedance
G301	UA	E008	Barium, total	mg/L	11/20/15 - 02/07/25	27	0	CB around T-S line	-0.00796	2.0	Standard	No Exceedance
G301	UA	E008	Beryllium, total	mg/L	11/20/15 - 02/07/25	26	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G301	UA	E008	Boron, total	mg/L	11/20/15 - 02/07/25	28	0	CI around mean	2.13	3.20	Background	No Exceedance
G301	UA	E008	Cadmium, total	mg/L	11/20/15 - 02/07/25	27	96	CI around median	0.001	0.005	Standard	No Exceedance
G301	UA	E008	Chloride, total	mg/L	11/20/15 - 02/07/25	28	0	CB around T-S line	4.8	200	Standard	No Exceedance
G301	UA	E008	Chromium, total	mg/L	11/20/15 - 02/07/25	27	63	CB around T-S line	0.000561	0.1	Standard	No Exceedance
G301	UA	E008	Cobalt, total	mg/L	11/20/15 - 02/07/25	27	26	CB around T-S line	0.0000506	0.006	Standard	No Exceedance
G301	UA	E008	Fluoride, total	mg/L	11/20/15 - 02/07/25	28	39	CI around median	0.25	4.0	Standard	No Exceedance
G301	UA	E008	Lead, total	mg/L	11/20/15 - 02/07/25	27	52	CI around median	0.001	0.0075	Standard	No Exceedance
G301	UA	E008	Lithium, total	mg/L	11/20/15 - 02/07/25	27	48	CI around median	0.01	0.04	Standard	No Exceedance
G301	UA	E008	Mercury, total	mg/L	11/20/15 - 02/07/25	22	96	CI around median	0.0002	0.002	Standard	No Exceedance
G301	UA	E008	Molybdenum, total	mg/L	11/20/15 - 02/07/25	27	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G301	UA	E008	pH (field)	SU	11/20/15 - 02/07/25	28	0	CI around mean	6.6/6.8	6.5/9.0	Standard/Standard	No Exceedance
G301	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/07/25	27	0	CI around mean	0.479	5	Standard	No Exceedance
G301	UA	E008	Selenium, total	mg/L	11/20/15 - 02/07/25	26	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G301	UA	E008	Sulfate, total	mg/L	11/20/15 - 02/07/25	28	0	CB around linear reg	426	400	Standard	Exceedance
G301	UA	E008	Thallium, total	mg/L	11/20/15 - 02/07/25	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G301	UA	E008	Total Dissolved Solids	mg/L	11/20/15 - 02/07/25	28	0	CB around linear reg	824	1,200	Standard	No Exceedance
G302	UA	E008	Antimony, total	mg/L	11/20/15 - 02/07/25	22	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G302	UA	E008	Arsenic, total	mg/L	11/20/15 - 02/07/25	27	26	CI around median	0.001	0.010	Standard	No Exceedance
G302	UA	E008	Barium, total	mg/L	11/20/15 - 02/07/25	27	0	CI around geomean	0.0294	2.0	Standard	No Exceedance
G302	UA	E008	Beryllium, total	mg/L	11/20/15 - 02/07/25	26	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G302	UA	E008	Boron, total	mg/L	11/20/15 - 02/07/25	28	0	CI around mean	1.73	3.20	Background	No Exceedance
G302	UA	E008	Cadmium, total	mg/L	11/20/15 - 02/07/25	27	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G302	UA	E008	Chloride, total	mg/L	11/20/15 - 02/07/25	28	4	CI around mean	12.7	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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	E008	Chromium, total	mg/L	11/20/15 - 02/07/25	27	67	CB around T-S line	0.00176	0.1	Standard	No Exceedance
G302	UA	E008	Cobalt, total	mg/L	11/20/15 - 02/07/25	27	22	CI around median	0.002	0.006	Standard	No Exceedance
G302	UA	E008	Fluoride, total	mg/L	11/20/15 - 02/07/25	28	39	CI around median	0.25	4.0	Standard	No Exceedance
G302	UA	E008	Lead, total	mg/L	11/20/15 - 02/07/25	27	56	CI around median	0.001	0.0075	Standard	No Exceedance
G302	UA	E008	Lithium, total	mg/L	11/20/15 - 02/07/25	27	26	CB around linear reg	0.0113	0.04	Standard	No Exceedance
G302	UA	E008	Mercury, total	mg/L	11/20/15 - 02/07/25	22	96	CI around median	0.0002	0.002	Standard	No Exceedance
G302	UA	E008	Molybdenum, total	mg/L	11/20/15 - 02/07/25	27	56	CI around median	0.001	0.1	Standard	No Exceedance
G302	UA	E008	pH (field)	SU	11/20/15 - 02/07/25	28	0	CB around linear reg	6.5/6.8	6.5/9.0	Standard/Standard	No Exceedance
G302	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/07/25	27	0	CI around median	0.273	5	Standard	No Exceedance
G302	UA	E008	Selenium, total	mg/L	11/20/15 - 02/07/25	26	96	CI around median	0.001	0.05	Standard	No Exceedance
G302	UA	E008	Sulfate, total	mg/L	11/20/15 - 02/07/25	28	0	CI around mean	396	400	Standard	No Exceedance
G302	UA	E008	Thallium, total	mg/L	11/20/15 - 02/07/25	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G302	UA	E008	Total Dissolved Solids	mg/L	11/20/15 - 02/07/25	28	0	CI around mean	1,000	1,200	Standard	No Exceedance
G303	UA	E008	Antimony, total	mg/L	11/20/15 - 02/10/25	22	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G303	UA	E008	Arsenic, total	mg/L	11/20/15 - 02/10/25	27	4	CB around T-S line	-0.00384	0.010	Standard	No Exceedance
G303	UA	E008	Barium, total	mg/L	11/20/15 - 02/10/25	27	0	CI around median	0.016	2.0	Standard	No Exceedance
G303	UA	E008	Beryllium, total	mg/L	11/20/15 - 02/10/25	26	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G303	UA	E008	Boron, total	mg/L	11/20/15 - 02/10/25	28	0	CB around T-S line	1.91	3.20	Background	No Exceedance
G303	UA	E008	Cadmium, total	mg/L	11/20/15 - 02/10/25	27	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G303	UA	E008	Chloride, total	mg/L	11/20/15 - 02/10/25	28	0	CB around linear reg	24.7	200	Standard	No Exceedance
G303	UA	E008	Chromium, total	mg/L	11/20/15 - 02/10/25	27	78	CB around T-S line	0.00174	0.1	Standard	No Exceedance
G303	UA	E008	Cobalt, total	mg/L	11/20/15 - 02/10/25	27	30	CI around geomean	0.00132	0.006	Standard	No Exceedance
G303	UA	E008	Fluoride, total	mg/L	11/20/15 - 02/10/25	28	29	CI around median	0.268	4.0	Standard	No Exceedance
G303	UA	E008	Lead, total	mg/L	11/20/15 - 02/10/25	27	85	CI around median	0.001	0.0075	Standard	No Exceedance
G303	UA	E008	Lithium, total	mg/L	11/20/15 - 02/10/25	27	0	CB around linear reg	0.0142	0.04	Standard	No Exceedance
G303	UA	E008	Mercury, total	mg/L	11/20/15 - 02/10/25	22	91	CI around median	0.0002	0.002	Standard	No Exceedance
G303	UA	E008	Molybdenum, total	mg/L	11/20/15 - 02/10/25	27	4	CI around mean	0.00171	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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	E008	pH (field)	SU	11/20/15 - 02/10/25	28	0	CB around linear reg	6.6/6.8	6.5/9.0	Standard/Standard	No Exceedance
G303	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/10/25	27	0	CI around geomean	0.472	5	Standard	No Exceedance
G303	UA	E008	Selenium, total	mg/L	11/20/15 - 02/10/25	26	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G303	UA	E008	Sulfate, total	mg/L	11/20/15 - 02/10/25	28	0	CB around linear reg	600	400	Standard	Exceedance
G303	UA	E008	Thallium, total	mg/L	11/20/15 - 02/10/25	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G303	UA	E008	Total Dissolved Solids	mg/L	11/20/15 - 02/10/25	28	0	CI around mean	1,530	1,200	Standard	Exceedance
G305	UA	E008	Antimony, total	mg/L	05/19/16 - 02/10/25	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G305	UA	E008	Arsenic, total	mg/L	05/19/16 - 02/10/25	14	71	CI around median	0.001	0.010	Standard	No Exceedance
G305	UA	E008	Barium, total	mg/L	05/19/16 - 02/10/25	14	0	CB around T-S line	-0.0346	2.0	Standard	No Exceedance
G305	UA	E008	Beryllium, total	mg/L	05/19/16 - 02/10/25	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G305	UA	E008	Boron, total	mg/L	05/19/16 - 02/10/25	14	0	CI around mean	2.11	3.20	Background	No Exceedance
G305	UA	E008	Cadmium, total	mg/L	05/19/16 - 02/10/25	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G305	UA	E008	Chloride, total	mg/L	05/19/16 - 02/10/25	14	0	CB around T-S line	13	200	Standard	No Exceedance
G305	UA	E008	Chromium, total	mg/L	05/19/16 - 02/10/25	14	64	CB around T-S line	-0.0215	0.1	Standard	No Exceedance
G305	UA	E008	Cobalt, total	mg/L	05/19/16 - 02/10/25	14	79	CB around T-S line	-0.000404	0.006	Standard	No Exceedance
G305	UA	E008	Fluoride, total	mg/L	05/19/16 - 02/10/25	14	21	CI around median	0.424	4.0	Standard	No Exceedance
G305	UA	E008	Lead, total	mg/L	05/19/16 - 02/10/25	14	43	CB around T-S line	-0.0213	0.0075	Standard	No Exceedance
G305	UA	E008	Lithium, total	mg/L	05/19/16 - 02/10/25	14	29	CB around T-S line	-0.00232	0.04	Standard	No Exceedance
G305	UA	E008	Mercury, total	mg/L	05/19/16 - 02/10/25	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G305	UA	E008	Molybdenum, total	mg/L	05/19/16 - 02/10/25	14	64	CI around median	0.001	0.1	Standard	No Exceedance
G305	UA	E008	pH (field)	SU	05/19/16 - 02/10/25	14	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G305	UA	E008	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 02/10/25	14	0	CI around geomean	0.208	5	Standard	No Exceedance
G305	UA	E008	Selenium, total	mg/L	05/19/16 - 02/10/25	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G305	UA	E008	Sulfate, total	mg/L	05/19/16 - 02/10/25	14	0	CI around mean	814	400	Standard	Exceedance
G305	UA	E008	Thallium, total	mg/L	05/19/16 - 02/10/25	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G305	UA	E008	Total Dissolved Solids	mg/L	05/19/16 - 02/10/25	14	0	CI around mean	1,390	1,200	Standard	Exceedance
G307	UA	E008	Antimony, total	mg/L	08/16/16 - 02/28/25	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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	E008	Arsenic, total	mg/L	08/16/16 - 02/28/25	23	52	CI around median	0.001	0.010	Standard	No Exceedance
G307	UA	E008	Barium, total	mg/L	08/16/16 - 02/28/25	23	0	CI around geomean	0.0328	2.0	Standard	No Exceedance
G307	UA	E008	Beryllium, total	mg/L	08/16/16 - 02/28/25	22	91	CI around median	0.001	0.004	Standard	No Exceedance
G307	UA	E008	Boron, total	mg/L	08/16/16 - 02/28/25	24	0	CI around mean	1.99	3.20	Background	No Exceedance
G307	UA	E008	Cadmium, total	mg/L	08/16/16 - 02/28/25	23	61	CI around median	0.001	0.005	Standard	No Exceedance
G307	UA	E008	Chloride, total	mg/L	08/16/16 - 02/28/25	24	0	CB around linear reg	7.02	200	Standard	No Exceedance
G307	UA	E008	Chromium, total	mg/L	08/16/16 - 02/28/25	23	44	CI around geomean	0.00209	0.1	Standard	No Exceedance
G307	UA	E008	Cobalt, total	mg/L	08/16/16 - 02/28/25	24	0	CI around median	0.0026	0.006	Standard	No Exceedance
G307	UA	E008	Fluoride, total	mg/L	08/16/16 - 02/28/25	24	17	CI around median	0.325	4.0	Standard	No Exceedance
G307	UA	E008	Lead, total	mg/L	08/16/16 - 02/28/25	23	39	CI around median	0.001	0.0075	Standard	No Exceedance
G307	UA	E008	Lithium, total	mg/L	08/16/16 - 02/28/25	23	39	CI around median	0.0116	0.04	Standard	No Exceedance
G307	UA	E008	Mercury, total	mg/L	08/16/16 - 02/28/25	18	78	CI around median	0.0002	0.002	Standard	No Exceedance
G307	UA	E008	Molybdenum, total	mg/L	08/16/16 - 02/28/25	23	22	CI around median	0.0013	0.1	Standard	No Exceedance
G307	UA	E008	pH (field)	SU	08/16/16 - 02/28/25	25	0	CI around mean	7.0/7.1	6.5/9.0	Standard/Standard	No Exceedance
G307	UA	E008	Radium 226 + Radium 228, total	pCi/L	08/16/16 - 02/28/25	23	0	CI around mean	0.604	5	Standard	No Exceedance
G307	UA	E008	Selenium, total	mg/L	08/16/16 - 02/28/25	22	86	CI around median	0.001	0.05	Standard	No Exceedance
G307	UA	E008	Sulfate, total	mg/L	08/16/16 - 02/28/25	24	0	CB around linear reg	351	400	Standard	No Exceedance
G307	UA	E008	Thallium, total	mg/L	08/16/16 - 02/28/25	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307	UA	E008	Total Dissolved Solids	mg/L	08/16/16 - 02/28/25	24	0	CB around linear reg	830	1,200	Standard	No Exceedance
G307D	LCU	E008	Antimony, total	mg/L	03/29/21 - 02/10/25	14	93	CB around T-S line	-0.00000232	0.006	Standard	No Exceedance
G307D	LCU	E008	Arsenic, total	mg/L	03/29/21 - 02/10/25	14	14	CI around geomean	0.00101	0.010	Standard	No Exceedance
G307D	LCU	E008	Barium, total	mg/L	03/29/21 - 02/10/25	14	0	CB around T-S line	-0.0206	2.0	Standard	No Exceedance
G307D	LCU	E008	Beryllium, total	mg/L	03/29/21 - 02/10/25	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G307D	LCU	E008	Boron, total	mg/L	03/29/21 - 02/10/25	14	0	CI around mean	1.29	3.20	Background	No Exceedance
G307D	LCU	E008	Cadmium, total	mg/L	03/29/21 - 02/10/25	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G307D	LCU	E008	Chloride, total	mg/L	03/29/21 - 02/10/25	13	0	CB around linear reg	5.54	200	Standard	No Exceedance
G307D	LCU	E008	Chromium, total	mg/L	03/29/21 - 02/10/25	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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	E008	Cobalt, total	mg/L	03/29/21 - 02/10/25	14	93	CB around T-S line	0.000478	0.006	Standard	No Exceedance
G307D	LCU	E008	Fluoride, total	mg/L	03/29/21 - 02/10/25	13	8	CI around mean	0.478	4.0	Standard	No Exceedance
G307D	LCU	E008	Lead, total	mg/L	03/29/21 - 02/10/25	14	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G307D	LCU	E008	Lithium, total	mg/L	03/29/21 - 02/10/25	14	93	CB around T-S line	-0.0057	0.04	Standard	No Exceedance
G307D	LCU	E008	Mercury, total	mg/L	03/29/21 - 02/10/25	14	93	CI around median	0.0002	0.002	Standard	No Exceedance
G307D	LCU	E008	Molybdenum, total	mg/L	03/29/21 - 02/10/25	14	0	CI around mean	0.00504	0.1	Standard	No Exceedance
G307D	LCU	E008	pH (field)	SU	03/29/21 - 02/10/25	14	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
G307D	LCU	E008	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/10/25	15	0	CI around geomean	0.245	5	Standard	No Exceedance
G307D	LCU	E008	Selenium, total	mg/L	03/29/21 - 02/10/25	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G307D	LCU	E008	Sulfate, total	mg/L	03/29/21 - 02/10/25	13	0	CB around linear reg	440	400	Standard	Exceedance
G307D	LCU	E008	Thallium, total	mg/L	03/29/21 - 02/10/25	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307D	LCU	E008	Total Dissolved Solids	mg/L	03/29/21 - 02/10/25	13	0	CB around linear reg	815	1,200	Standard	No Exceedance
G308	UA	E008	Antimony, total	mg/L	03/29/21 - 02/10/25	17	94	CB around T-S line	0.0000193	0.006	Standard	No Exceedance
G308	UA	E008	Arsenic, total	mg/L	03/29/21 - 02/10/25	17	88	CI around median	0.001	0.010	Standard	No Exceedance
G308	UA	E008	Barium, total	mg/L	03/29/21 - 02/10/25	17	0	CI around mean	0.019	2.0	Standard	No Exceedance
G308	UA	E008	Beryllium, total	mg/L	03/29/21 - 02/10/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G308	UA	E008	Boron, total	mg/L	03/29/21 - 02/10/25	17	0	CI around mean	2.45	3.20	Background	No Exceedance
G308	UA	E008	Cadmium, total	mg/L	03/29/21 - 02/10/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G308	UA	E008	Chloride, total	mg/L	03/29/21 - 02/10/25	17	6	CB around T-S line	4.79	200	Standard	No Exceedance
G308	UA	E008	Chromium, total	mg/L	03/29/21 - 02/10/25	17	94	CB around T-S line	0.000377	0.1	Standard	No Exceedance
G308	UA	E008	Cobalt, total	mg/L	03/29/21 - 02/10/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G308	UA	E008	Fluoride, total	mg/L	03/29/21 - 02/10/25	17	12	CI around geomean	0.474	4.0	Standard	No Exceedance
G308	UA	E008	Lead, total	mg/L	03/29/21 - 02/10/25	17	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G308	UA	E008	Lithium, total	mg/L	03/29/21 - 02/10/25	17	59	CB around T-S line	0.00176	0.04	Standard	No Exceedance
G308	UA	E008	Mercury, total	mg/L	03/29/21 - 02/10/25	17	94	CI around median	0.0002	0.002	Standard	No Exceedance
G308	UA	E008	Molybdenum, total	mg/L	03/29/21 - 02/10/25	17	18	CB around T-S line	0.0014	0.1	Standard	No Exceedance
G308	UA	E008	pH (field)	SU	03/29/21 - 02/10/25	17	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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	E008	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/10/25	16	0	CI around median	0.0838	5	Standard	No Exceedance
G308	UA	E008	Selenium, total	mg/L	03/29/21 - 02/10/25	17	94	CI around median	0.001	0.05	Standard	No Exceedance
G308	UA	E008	Sulfate, total	mg/L	03/29/21 - 02/10/25	17	0	CB around linear reg	766	400	Standard	Exceedance
G308	UA	E008	Thallium, total	mg/L	03/29/21 - 02/10/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G308	UA	E008	Total Dissolved Solids	mg/L	03/29/21 - 02/10/25	17	0	CB around T-S line	1,190	1,200	Standard	No Exceedance
G310	UA	E008	Antimony, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G310	UA	E008	Arsenic, total	mg/L	03/29/21 - 02/07/25	17	94	CI around median	0.001	0.010	Standard	No Exceedance
G310	UA	E008	Barium, total	mg/L	03/29/21 - 02/07/25	17	0	CI around mean	0.0149	2.0	Standard	No Exceedance
G310	UA	E008	Beryllium, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G310	UA	E008	Boron, total	mg/L	03/29/21 - 02/07/25	17	0	CI around mean	1.75	3.20	Background	No Exceedance
G310	UA	E008	Cadmium, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G310	UA	E008	Chloride, total	mg/L	03/29/21 - 02/07/25	17	0	CB around linear reg	7.36	200	Standard	No Exceedance
G310	UA	E008	Chromium, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E008	Cobalt, total	mg/L	03/29/21 - 02/07/25	17	59	CB around T-S line	0.000877	0.006	Standard	No Exceedance
G310	UA	E008	Fluoride, total	mg/L	03/29/21 - 02/07/25	17	29	CB around linear reg	0.32	4.0	Standard	No Exceedance
G310	UA	E008	Lead, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G310	UA	E008	Lithium, total	mg/L	03/29/21 - 02/07/25	17	59	CB around T-S line	-0.000142	0.04	Standard	No Exceedance
G310	UA	E008	Mercury, total	mg/L	03/29/21 - 02/07/25	17	94	CI around median	0.0002	0.002	Standard	No Exceedance
G310	UA	E008	Molybdenum, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E008	pH (field)	SU	03/29/21 - 02/07/25	17	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G310	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/07/25	16	0	CI around median	0.105	5	Standard	No Exceedance
G310	UA	E008	Selenium, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G310	UA	E008	Sulfate, total	mg/L	03/29/21 - 02/07/25	17	0	CB around T-S line	-427	400	Standard	No Exceedance
G310	UA	E008	Thallium, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G310	UA	E008	Total Dissolved Solids	mg/L	03/29/21 - 02/07/25	17	0	CB around linear reg	812	1,200	Standard	No Exceedance
G312	UA	E008	Antimony, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G312	UA	E008	Arsenic, total	mg/L	03/30/21 - 02/10/25	15	93	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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	E008	Barium, total	mg/L	03/30/21 - 02/10/25	15	0	CI around mean	0.0254	2.0	Standard	No Exceedance
G312	UA	E008	Beryllium, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G312	UA	E008	Boron, total	mg/L	03/30/21 - 02/10/25	15	0	CB around linear reg	2.73	3.20	Background	No Exceedance
G312	UA	E008	Cadmium, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G312	UA	E008	Chloride, total	mg/L	03/30/21 - 02/10/25	15	0	CI around mean	22.6	200	Standard	No Exceedance
G312	UA	E008	Chromium, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G312	UA	E008	Cobalt, total	mg/L	03/30/21 - 02/10/25	15	20	CI around mean	0.00185	0.006	Standard	No Exceedance
G312	UA	E008	Fluoride, total	mg/L	03/30/21 - 02/10/25	15	73	CI around median	0.22	4.0	Standard	No Exceedance
G312	UA	E008	Lead, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G312	UA	E008	Lithium, total	mg/L	03/30/21 - 02/10/25	15	47	CB around linear reg	0.0155	0.04	Standard	No Exceedance
G312	UA	E008	Mercury, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G312	UA	E008	Molybdenum, total	mg/L	03/30/21 - 02/10/25	15	93	CB around T-S line	0.001	0.1	Standard	No Exceedance
G312	UA	E008	pH (field)	SU	03/30/21 - 02/10/25	15	0	CI around mean	6.3/6.5	6.5/9.0	Standard/Standard	No Exceedance
G312	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/10/25	14	0	CI around geomean	0.171	5	Standard	No Exceedance
G312	UA	E008	Selenium, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G312	UA	E008	Sulfate, total	mg/L	03/30/21 - 02/10/25	15	0	CI around mean	776	400	Standard	Exceedance
G312	UA	E008	Thallium, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G312	UA	E008	Total Dissolved Solids	mg/L	03/30/21 - 02/10/25	15	0	CB around linear reg	1,650	1,200	Standard	Exceedance
G313	UA	E008	Antimony, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G313	UA	E008	Arsenic, total	mg/L	03/30/21 - 02/11/25	17	88	CI around median	0.001	0.010	Standard	No Exceedance
G313	UA	E008	Barium, total	mg/L	03/30/21 - 02/11/25	17	0	CB around T-S line	0.00614	2.0	Standard	No Exceedance
G313	UA	E008	Beryllium, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G313	UA	E008	Boron, total	mg/L	03/30/21 - 02/11/25	17	0	CI around median	3.3	3.20	Background	Exceedance
G313	UA	E008	Cadmium, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G313	UA	E008	Chloride, total	mg/L	03/30/21 - 02/11/25	17	6	CB around T-S line	15.3	200	Standard	No Exceedance
G313	UA	E008	Chromium, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G313	UA	E008	Cobalt, total	mg/L	03/30/21 - 02/11/25	17	82	CB around T-S line	0.000422	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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	E008	Fluoride, total	mg/L	03/30/21 - 02/11/25	17	24	CI around median	0.267	4.0	Standard	No Exceedance
G313	UA	E008	Lead, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G313	UA	E008	Lithium, total	mg/L	03/30/21 - 02/11/25	17	29	CI around geomean	0.0174	0.04	Standard	No Exceedance
G313	UA	E008	Mercury, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G313	UA	E008	Molybdenum, total	mg/L	03/30/21 - 02/11/25	17	29	CI around median	0.0012	0.1	Standard	No Exceedance
G313	UA	E008	pH (field)	SU	03/30/21 - 02/11/25	17	0	CB around linear reg	6.6/6.8	6.5/9.0	Standard/Standard	No Exceedance
G313	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/11/25	16	0	CI around median	0.0924	5	Standard	No Exceedance
G313	UA	E008	Selenium, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G313	UA	E008	Sulfate, total	mg/L	03/30/21 - 02/11/25	17	0	CB around T-S line	291	400	Standard	No Exceedance
G313	UA	E008	Thallium, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G313	UA	E008	Total Dissolved Solids	mg/L	03/30/21 - 02/11/25	17	0	CB around linear reg	1,280	1,200	Standard	Exceedance
G314	LCU	E008	Antimony, total	mg/L	03/30/21 - 02/07/25	17	94	CB around T-S line	0.0000902	0.006	Standard	No Exceedance
G314	LCU	E008	Arsenic, total	mg/L	03/30/21 - 02/07/25	17	71	CI around median	0.001	0.010	Standard	No Exceedance
G314	LCU	E008	Barium, total	mg/L	03/30/21 - 02/07/25	17	0	CI around geomean	0.0185	2.0	Standard	No Exceedance
G314	LCU	E008	Beryllium, total	mg/L	03/30/21 - 02/07/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314	LCU	E008	Boron, total	mg/L	03/30/21 - 02/07/25	17	0	CI around geomean	0.139	3.20	Background	No Exceedance
G314	LCU	E008	Cadmium, total	mg/L	03/30/21 - 02/07/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314	LCU	E008	Chloride, total	mg/L	03/30/21 - 02/07/25	17	0	CB around T-S line	24.6	200	Standard	No Exceedance
G314	LCU	E008	Chromium, total	mg/L	03/30/21 - 02/07/25	17	82	CI around median	0.0015	0.1	Standard	No Exceedance
G314	LCU	E008	Cobalt, total	mg/L	03/30/21 - 02/07/25	17	12	CI around mean	0.00283	0.006	Standard	No Exceedance
G314	LCU	E008	Fluoride, total	mg/L	03/30/21 - 02/07/25	17	76	CI around median	0.23	4.0	Standard	No Exceedance
G314	LCU	E008	Lead, total	mg/L	03/30/21 - 02/07/25	17	88	CI around median	0.001	0.0075	Standard	No Exceedance
G314	LCU	E008	Lithium, total	mg/L	03/30/21 - 02/07/25	17	59	CB around T-S line	-0.00109	0.04	Standard	No Exceedance
G314	LCU	E008	Mercury, total	mg/L	03/30/21 - 02/07/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314	LCU	E008	Molybdenum, total	mg/L	03/30/21 - 02/07/25	17	24	CB around linear reg	-0.00336	0.1	Standard	No Exceedance
G314	LCU	E008	pH (field)	SU	03/30/21 - 02/07/25	17	0	CB around T-S line	6.3/6.5	6.5/9.0	Standard/Standard	No Exceedance
G314	LCU	E008	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/07/25	16	0	CI around geomean	0.596	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G314	LCU	E008	Selenium, total	mg/L	03/30/21 - 02/07/25	17	88	CI around median	0.001	0.05	Standard	No Exceedance
G314	LCU	E008	Sulfate, total	mg/L	03/30/21 - 02/07/25	17	0	CI around median	2,000	400	Standard	Exceedance
G314	LCU	E008	Thallium, total	mg/L	03/30/21 - 02/07/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314	LCU	E008	Total Dissolved Solids	mg/L	03/30/21 - 02/07/25	17	0	CI around median	3,430	1,200	Standard	Exceedance
G314D	DA	E008	Antimony, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G314D	DA	E008	Arsenic, total	mg/L	03/30/21 - 02/06/25	14	36	CB around linear reg	0.00239	0.010	Standard	No Exceedance
G314D	DA	E008	Barium, total	mg/L	03/30/21 - 02/06/25	14	0	CB around T-S line	0.0197	2.0	Standard	No Exceedance
G314D	DA	E008	Beryllium, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314D	DA	E008	Boron, total	mg/L	03/30/21 - 02/06/25	14	0	CI around mean	0.163	3.20	Background	No Exceedance
G314D	DA	E008	Cadmium, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314D	DA	E008	Chloride, total	mg/L	03/30/21 - 02/06/25	13	0	CB around linear reg	-2.18	200	Standard	No Exceedance
G314D	DA	E008	Chromium, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G314D	DA	E008	Cobalt, total	mg/L	03/30/21 - 02/06/25	14	50	CI around mean	0.00125	0.006	Standard	No Exceedance
G314D	DA	E008	Fluoride, total	mg/L	03/30/21 - 02/06/25	13	15	CB around linear reg	0.336	4.0	Standard	No Exceedance
G314D	DA	E008	Lead, total	mg/L	03/30/21 - 02/06/25	14	86	CI around median	0.001	0.0075	Standard	No Exceedance
G314D	DA	E008	Lithium, total	mg/L	03/30/21 - 02/06/25	14	29	CB around linear reg	0.00821	0.04	Standard	No Exceedance
G314D	DA	E008	Mercury, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314D	DA	E008	Molybdenum, total	mg/L	03/30/21 - 02/06/25	14	0	CB around linear reg	-0.00601	0.1	Standard	No Exceedance
G314D	DA	E008	pH (field)	SU	03/30/21 - 02/06/25	14	0	CB around linear reg	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
G314D	DA	E008	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/06/25	14	0	CI around geomean	1.24	5	Standard	No Exceedance
G314D	DA	E008	Selenium, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G314D	DA	E008	Sulfate, total	mg/L	03/30/21 - 02/06/25	13	0	CB around linear reg	1,000	400	Standard	Exceedance
G314D	DA	E008	Thallium, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314D	DA	E008	Total Dissolved Solids	mg/L	03/30/21 - 02/06/25	13	0	CI around median	2,100	1,200	Standard	Exceedance
G315	UA	E008	Antimony, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G315	UA	E008	Arsenic, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G315	UA	E008	Barium, total	mg/L	03/30/21 - 02/10/25	17	0	CB around T-S line	0.00844	2.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G315	UA	E008	Beryllium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G315	UA	E008	Boron, total	mg/L	03/30/21 - 02/10/25	17	0	CI around median	1.2	3.20	Background	No Exceedance
G315	UA	E008	Cadmium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G315	UA	E008	Chloride, total	mg/L	03/30/21 - 02/10/25	17	0	CB around T-S line	1.44	200	Standard	No Exceedance
G315	UA	E008	Chromium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E008	Cobalt, total	mg/L	03/30/21 - 02/10/25	17	94	CB around T-S line	0.000622	0.006	Standard	No Exceedance
G315	UA	E008	Fluoride, total	mg/L	03/30/21 - 02/10/25	17	18	CI around median	0.268	4.0	Standard	No Exceedance
G315	UA	E008	Lead, total	mg/L	03/30/21 - 02/10/25	17	94	CI around median	0.001	0.0075	Standard	No Exceedance
G315	UA	E008	Lithium, total	mg/L	03/30/21 - 02/10/25	17	59	CB around T-S line	-0.000918	0.04	Standard	No Exceedance
G315	UA	E008	Mercury, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G315	UA	E008	Molybdenum, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E008	pH (field)	SU	03/30/21 - 02/10/25	17	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
G315	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/10/25	16	0	CI around mean	0.222	5	Standard	No Exceedance
G315	UA	E008	Selenium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G315	UA	E008	Sulfate, total	mg/L	03/30/21 - 02/10/25	17	0	CB around T-S line	290	400	Standard	No Exceedance
G315	UA	E008	Thallium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G315	UA	E008	Total Dissolved Solids	mg/L	03/30/21 - 02/10/25	17	0	CB around T-S line	701	1,200	Standard	No Exceedance
G316	LCU	E008	Antimony, total	mg/L	03/30/21 - 02/10/25	17	88	CB around T-S line	0.000162	0.006	Standard	No Exceedance
G316	LCU	E008	Arsenic, total	mg/L	03/30/21 - 02/10/25	17	0	CB around linear reg	0.00749	0.010	Standard	No Exceedance
G316	LCU	E008	Barium, total	mg/L	03/30/21 - 02/10/25	17	0	CI around mean	0.0629	2.0	Standard	No Exceedance
G316	LCU	E008	Beryllium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G316	LCU	E008	Boron, total	mg/L	03/30/21 - 02/10/25	17	0	CI around mean	0.367	3.20	Background	No Exceedance
G316	LCU	E008	Cadmium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G316	LCU	E008	Chloride, total	mg/L	03/30/21 - 02/10/25	17	0	CI around median	23	200	Standard	No Exceedance
G316	LCU	E008	Chromium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G316	LCU	E008	Cobalt, total	mg/L	03/30/21 - 02/10/25	17	0	CB around linear reg	0.00185	0.006	Standard	No Exceedance
G316	LCU	E008	Fluoride, total	mg/L	03/30/21 - 02/10/25	17	53	CB around T-S line	0.25	4.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G316	LCU	E008	Lead, total	mg/L	03/30/21 - 02/10/25	17	94	CI around median	0.001	0.0075	Standard	No Exceedance
G316	LCU	E008	Lithium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G316	LCU	E008	Mercury, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G316	LCU	E008	Molybdenum, total	mg/L	03/30/21 - 02/10/25	17	0	CB around linear reg	0.00442	0.1	Standard	No Exceedance
G316	LCU	E008	pH (field)	SU	03/30/21 - 02/10/25	17	0	CI around mean	6.9/7.0	6.5/9.0	Standard/Standard	No Exceedance
G316	LCU	E008	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/10/25	16	0	CI around median	0.479	5	Standard	No Exceedance
G316	LCU	E008	Selenium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G316	LCU	E008	Sulfate, total	mg/L	03/30/21 - 02/10/25	17	0	CI around median	660	400	Standard	Exceedance
G316	LCU	E008	Thallium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G316	LCU	E008	Total Dissolved Solids	mg/L	03/30/21 - 02/10/25	17	0	CI around median	1,380	1,200	Standard	Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
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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.

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Illinois Power Generating Company’s (IPGC’s) operating permit application for the Ash Pond No. 1 . That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, IPGC has not identified any actual exceedances.

Events:

E008 = Quarter 1, 2025 sampling event

HSU = hydrostratigraphic unit:

DA = Deep Aquifer

LCU = Lower Confining Unit

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around 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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

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

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

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

NS⁶ = Sampling pump could not yield a sample.

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

NS⁸ = A sample was not collected.

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

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

GWPS Source:

Background = background concentration

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

FIGURES



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- STAFF GAGE, RIVER
- STAFF GAGE, CCR UNIT

- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- 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 1, 2025**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 1, 2025
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G281	Background	02/03/2025	4.61	622.09
G301	Compliance	02/03/2025	6.07	616.77
G302	Compliance	02/03/2025	8.06	612.19
G303	Compliance	02/03/2025	4.89	617.04
G305	Compliance	02/03/2025	10.31	615.53
G306	Background	02/03/2025	6.06	619.95
G307	Compliance	02/28/2025	[0.20]	[624.37]
G307D	Compliance	02/10/2025	[12.49]	[612.62]
G308	Compliance	02/03/2025	3.89	620.82
G310	Compliance	02/03/2025	7.41	615.60
G312	Compliance	02/03/2025	10.49	609.49
G313	Compliance	02/03/2025	3.09	611.32
G314	Compliance	02/03/2025	6.46	607.54
G314D	Compliance	02/03/2025	6.09	607.57
G315	Compliance	02/03/2025	2.45	621.19
G316	Compliance	02/03/2025	11.47	591.32
XSG-01	Water Level	02/03/2025	6.72	628.97
SG-02	Water Level	02/03/2025	5.81	599.96
SG-03	Water Level	02/03/2025	8.34	577.59

Notes:
BMP = below measuring point
Bracketing [] indicates that the measurement was obtained outside of the 24-hour period from initiation of depth to groundwater measurements.
Depth to Groundwater/Groundwater Elevation Code (if applicable):
DM¹ = Depth to water was not measured.
DM² = Depth to water was not measured because water was above or below the staff gage markings.
DM³ = Depth to water was not measured because the location was inaccessible.
DM⁴ = Depth to water was not measured because water level was below the top of the pump.
DM⁵ = Depth to water was not measured because water level was above the top of casing (artesian well).
DM⁶ = Depth to water was not measured because of damage to the well.
DM⁷ = Depth to water was not measured due to required pressure transducer maintenance.
DM⁸ = Lab provided groundwater elevation data and not depth to water.
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 1, 2025**

March 14, 2025

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-25Q1

WorkOrder: 25011232

Dear Eric Bauer:

TEKLAB, INC received 25 samples for COF_845_101 on 2/28/2025 11:50:00 AM 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: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	33
Quality Control Results	34
Receiving Check List	166
Chain of Custody	Appended

Definitions

<http://www.teklabinc.com/>**Client:** Ramboll**Work Order:** 25011232**Client Project:** COF-25Q1**Report Date:** 14-Mar-25

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: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

Cooler Receipt Temp: 3.3 °C

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

SG-02, SG-03, and XSG-01 collection dates/times per SAR4 file. EAH 2/12/25

G302 collection time per field file. Equipment Blanks were not needed. EAH 2/13/25

Per Eric Bauer's request, only COF_845_101 data is included in this report. EAH 3/14/25

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: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	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	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-054
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G281
Collection Date: 02/05/2025 11:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.56	ft	1	02/05/2025 11:37	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.7	NTU	1	02/05/2025 11:37	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		85	mV	1	02/05/2025 11:37	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1360	µS/cm	1	02/05/2025 11:37	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.0	°C	1	02/05/2025 11:37	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.20	mg/L	1	02/05/2025 11:37	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.95		1	02/05/2025 11:37	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		390	mg/L	1	02/06/2025 11:16	R359918
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/06/2025 11:16	R359918
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1070	mg/L	1	02/10/2025 12:29	R360147
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	02/11/2025 1:03	R360088
Chloride	NELAP	1.00	5.00		77.5	mg/L	10	02/11/2025 1:03	R360088
Sulfate	NELAP	3.00	10.0		312	mg/L	10	02/11/2025 1:03	R360088
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		150	mg/L	1	02/07/2025 20:38	234436
Magnesium	NELAP	0.006	0.050		66.6	mg/L	1	02/07/2025 20:38	234436
Potassium	NELAP	0.040	0.100		0.653	mg/L	1	02/07/2025 20:38	234436
Sodium	NELAP	0.018	0.050		109	mg/L	1	02/07/2025 20:38	234436
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/11/2025 14:51	234436
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	02/11/2025 14:51	234436
Barium	NELAP	0.7	1.0		64.0	µg/L	5	02/11/2025 14:51	234436
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/11/2025 14:51	234436
Boron	NELAP	9.2	20	J	11	µg/L	5	02/11/2025 14:51	234436
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/11/2025 14:51	234436
Chromium	NELAP	0.7	1.5	J	0.9	µg/L	5	02/11/2025 14:51	234436
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	02/11/2025 14:51	234436
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/11/2025 14:51	234436
Lithium	*	1.4	3.0		4.6	µg/L	5	02/11/2025 14:51	234436
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/11/2025 14:51	234436
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/11/2025 14:51	234436
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/11/2025 14:51	234436
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/10/2025 16:50	234520



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-058
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G301
Collection Date: 02/07/2025 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.69	ft	1	02/07/2025 10:17	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	02/07/2025 10:17	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		80	mV	1	02/07/2025 10:17	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1070	µS/cm	1	02/07/2025 10:17	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.2	°C	1	02/07/2025 10:17	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.35	mg/L	1	02/07/2025 10:17	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.86		1	02/07/2025 10:17	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		159	mg/L	1	02/10/2025 9:38	R360037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/10/2025 9:38	R360037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		832	mg/L	1	02/10/2025 17:51	R360147
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	02/11/2025 1:15	R360088
Chloride	NELAP	1.00	5.00		9.67	mg/L	10	02/11/2025 1:15	R360088
Sulfate	NELAP	3.00	10.0		444	mg/L	10	02/11/2025 1:15	R360088
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		96.3	mg/L	1	02/11/2025 10:05	234533
Magnesium	NELAP	0.006	0.050		36.8	mg/L	1	02/11/2025 10:05	234533
Potassium	NELAP	0.040	0.100		1.66	mg/L	1	02/11/2025 10:05	234533
Sodium	NELAP	0.018	0.050		95.6	mg/L	1	02/11/2025 10:05	234533
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.6	µg/L	5	02/11/2025 17:19	234533
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	02/11/2025 17:19	234533
Barium	NELAP	0.7	1.0		22.7	µg/L	5	02/11/2025 17:19	234533
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 16:37	234533
Boron	NELAP	9.2	20.0		1770	µg/L	5	02/13/2025 16:37	234533
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/11/2025 17:19	234533
Chromium	NELAP	0.7	1.5		1.5	µg/L	5	02/13/2025 16:37	234533
Cobalt	NELAP	0.1	1.0		1.2	µg/L	5	02/13/2025 16:37	234533
Lead	NELAP	0.6	1.0		1.1	µg/L	5	02/13/2025 16:37	234533
Lithium	*	1.4	3.0		5.6	µg/L	5	02/17/2025 16:16	234533
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/13/2025 16:37	234533
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/11/2025 17:19	234533
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/11/2025 17:19	234533
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 17:48	234564



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-059
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G302
Collection Date: 02/07/2025 9:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.72	ft	1	02/07/2025 9:51	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		47	NTU	1	02/07/2025 9:51	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-18	mV	1	02/07/2025 9:51	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1700	µS/cm	1	02/07/2025 9:51	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		9.3	°C	1	02/07/2025 9:51	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		4.20	mg/L	1	02/07/2025 9:51	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		7.06		1	02/07/2025 9:51	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		517	mg/L	1	02/10/2025 9:59	R360037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/10/2025 9:59	R360037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1410	mg/L	1	02/10/2025 17:44	R360147
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	02/11/2025 1:26	R360088
Chloride	NELAP	1.00	5.00		20.0	mg/L	10	02/11/2025 1:26	R360088
Sulfate	NELAP	3.00	10.0		606	mg/L	10	02/11/2025 1:26	R360088
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		192	mg/L	1	02/11/2025 10:14	234533
Magnesium	NELAP	0.006	0.050		85.1	mg/L	1	02/11/2025 10:14	234533
Potassium	NELAP	0.040	0.100		1.34	mg/L	1	02/11/2025 10:14	234533
Sodium	NELAP	0.018	0.050		148	mg/L	1	02/11/2025 10:14	234533
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/11/2025 17:24	234533
Arsenic	NELAP	0.4	1.0		1.9	µg/L	5	02/11/2025 17:24	234533
Barium	NELAP	0.7	1.0		34.3	µg/L	5	02/11/2025 17:24	234533
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 17:06	234533
Boron	NELAP	9.2	20.0		2390	µg/L	5	02/13/2025 17:06	234533
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/11/2025 17:24	234533
Chromium	NELAP	0.7	1.5		2.1	µg/L	5	02/13/2025 17:06	234533
Cobalt	NELAP	0.1	1.0		1.6	µg/L	5	02/13/2025 17:06	234533
Lead	NELAP	0.6	1.0		1.1	µg/L	5	02/11/2025 17:24	234533
Lithium	*	1.4	3.0		19.1	µg/L	5	02/17/2025 16:22	234533
Molybdenum	NELAP	0.6	1.5	J	0.8	µg/L	5	02/13/2025 17:06	234533
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/11/2025 17:24	234533
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/11/2025 17:24	234533
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 17:50	234564



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-060
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G303
Collection Date: 02/10/2025 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.09	ft	1	02/10/2025 11:23	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		62	NTU	1	02/10/2025 11:23	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		58	mV	1	02/10/2025 11:23	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1800	µS/cm	1	02/10/2025 11:23	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.2	°C	1	02/10/2025 11:23	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.48	mg/L	1	02/10/2025 11:23	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.81		1	02/10/2025 11:23	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		614	mg/L	1	02/11/2025 10:46	R360118
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/11/2025 10:46	R360118
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1510	mg/L	1	02/11/2025 17:17	R360208
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.22	mg/L	10	02/12/2025 1:09	R360177
Chloride	NELAP	1.00	5.00		23.6	mg/L	10	02/12/2025 1:09	R360177
Sulfate	NELAP	3.00	10.0		625	mg/L	10	02/12/2025 1:09	R360177
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		148	mg/L	1	02/11/2025 9:40	234593
Magnesium	NELAP	0.006	0.050		124	mg/L	1	02/11/2025 9:40	234593
Potassium	NELAP	0.040	0.100		1.86	mg/L	1	02/11/2025 9:40	234593
Sodium	NELAP	0.018	0.050		159	mg/L	1	02/11/2025 9:40	234593
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/13/2025 6:44	234593
Arsenic	NELAP	0.4	1.0		1.3	µg/L	5	02/18/2025 19:01	234593
Barium	NELAP	0.7	1.0		16.3	µg/L	5	02/13/2025 6:44	234593
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 6:44	234593
Boron	NELAP	9.2	20.0		2130	µg/L	5	02/13/2025 6:44	234593
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 6:44	234593
Chromium	NELAP	0.7	1.5	J	1.5	µg/L	5	02/13/2025 6:44	234593
Cobalt	NELAP	0.1	1.0	J	0.9	µg/L	5	02/13/2025 6:44	234593
Lead	NELAP	0.6	1.0	J	0.9	µg/L	5	02/13/2025 6:44	234593
Lithium	*	1.4	3.0		18.8	µg/L	5	02/18/2025 19:01	234593
Molybdenum	NELAP	0.6	1.5	J	1.2	µg/L	5	02/13/2025 6:44	234593
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 6:44	234593
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/13/2025 6:44	234593
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 21:49	234608



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-061
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G305
Collection Date: 02/10/2025 12:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.46	ft	1	02/10/2025 12:21	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	02/10/2025 12:21	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		90	mV	1	02/10/2025 12:21	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1620	µS/cm	1	02/10/2025 12:21	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.4	°C	1	02/10/2025 12:21	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.94	mg/L	1	02/10/2025 12:21	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		7.14		1	02/10/2025 12:21	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		238	mg/L	1	02/11/2025 10:39	R360118
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/11/2025 10:39	R360118
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1410	mg/L	1	02/11/2025 17:18	R360208
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.42	mg/L	10	02/12/2025 1:21	R360177
Chloride	NELAP	1.00	5.00		16.7	mg/L	10	02/12/2025 1:21	R360177
Sulfate	NELAP	3.00	10.0		817	mg/L	10	02/12/2025 1:21	R360177
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		158	mg/L	1	02/11/2025 9:40	234593
Magnesium	NELAP	0.006	0.050		88.8	mg/L	1	02/11/2025 9:40	234593
Potassium	NELAP	0.040	0.100		0.551	mg/L	1	02/11/2025 9:40	234593
Sodium	NELAP	0.018	0.050		118	mg/L	1	02/11/2025 9:40	234593
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/13/2025 6:50	234593
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	02/18/2025 19:07	234593
Barium	NELAP	0.7	1.0		21.4	µg/L	5	02/13/2025 6:50	234593
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 6:50	234593
Boron	NELAP	9.2	20.0		1990	µg/L	5	02/13/2025 6:50	234593
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 6:50	234593
Chromium	NELAP	0.7	1.5	J	1.0	µg/L	5	02/13/2025 6:50	234593
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	02/13/2025 6:50	234593
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 6:50	234593
Lithium	*	1.4	3.0		7.5	µg/L	5	02/18/2025 19:07	234593
Molybdenum	NELAP	0.6	1.5	J	0.7	µg/L	5	02/13/2025 6:50	234593
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 6:50	234593
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/13/2025 6:50	234593
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 21:56	234608



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1

Work Order: 25011232
Report Date: 14-Mar-25

Lab ID: 25011232-062

Client Sample ID: G306

Matrix: GROUNDWATER

Collection Date: 02/10/2025 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.22	ft	1	02/10/2025 10:14	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		93	NTU	1	02/10/2025 10:14	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		102	mV	1	02/10/2025 10:14	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		620	µS/cm	1	02/10/2025 10:14	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.1	°C	1	02/10/2025 10:14	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.11	mg/L	1	02/10/2025 10:14	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.35		1	02/10/2025 10:14	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		256	mg/L	1	02/11/2025 11:28	R360118
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/11/2025 11:28	R360118
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		502	mg/L	1	02/11/2025 17:18	R360208
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	02/12/2025 1:33	R360177
Chloride	NELAP	1.0	5.0	J	1.9	mg/L	10	02/12/2025 1:33	R360177
Sulfate	NELAP	3.00	10.0		116	mg/L	10	02/12/2025 1:33	R360177
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		73.1	mg/L	1	02/11/2025 9:41	234593
Magnesium	NELAP	0.006	0.050		28.7	mg/L	1	02/11/2025 9:41	234593
Potassium	NELAP	0.040	0.100		0.342	mg/L	1	02/11/2025 9:41	234593
Sodium	NELAP	0.018	0.050		33.7	mg/L	1	02/11/2025 9:41	234593
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/13/2025 6:56	234593
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	02/18/2025 5:20	234593
Barium	NELAP	0.7	1.0		31.2	µg/L	5	02/13/2025 6:56	234593
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 6:56	234593
Boron	NELAP	9.2	20.0		1860	µg/L	5	02/13/2025 6:56	234593
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 6:56	234593
Chromium	NELAP	0.7	1.5		1.7	µg/L	5	02/13/2025 6:56	234593
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	02/13/2025 6:56	234593
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 6:56	234593
Lithium	*	1.4	3.0		3.7	µg/L	5	02/18/2025 19:12	234593
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/13/2025 6:56	234593
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 6:56	234593
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/13/2025 6:56	234593
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 21:59	234608



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1

Work Order: 25011232
Report Date: 14-Mar-25

Lab ID: 25011232-063

Client Sample ID: G307

Matrix: GROUNDWATER

Collection Date: 02/28/2025 10:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		0.20	ft	1	02/28/2025 10:31	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		130	NTU	1	02/28/2025 10:31	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-7	mV	1	02/28/2025 10:31	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		859	µS/cm	1	02/28/2025 10:31	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.5	°C	1	02/28/2025 10:31	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.69	mg/L	1	02/28/2025 10:31	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.84		1	02/28/2025 10:31	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		197	mg/L	1	02/28/2025 14:07	R360993
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/28/2025 14:07	R360993
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		968	mg/L	1	03/03/2025 17:44	R361204
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.27	mg/L	10	03/01/2025 17:25	R361019
Chloride	NELAP	1.00	5.00		8.75	mg/L	10	03/01/2025 17:25	R361019
Sulfate	NELAP	3.00	10.0		482	mg/L	10	03/01/2025 17:25	R361019
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		134	mg/L	1	03/03/2025 10:28	235398
Magnesium	NELAP	0.006	0.050		41.4	mg/L	1	03/03/2025 10:28	235398
Potassium	NELAP	0.040	0.100		5.42	mg/L	1	03/03/2025 10:28	235398
Sodium	NELAP	0.018	0.050		73.0	mg/L	1	03/03/2025 10:28	235398
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	03/03/2025 11:22	235398
Arsenic	NELAP	0.4	1.0		1.7	µg/L	5	03/03/2025 11:22	235398
Barium	NELAP	0.7	1.0		51.5	µg/L	5	03/03/2025 11:22	235398
Beryllium	NELAP	0.2	1.0	J	0.3	µg/L	5	03/03/2025 11:22	235398
Boron	NELAP	9.2	20.0		1700	µg/L	5	03/04/2025 11:49	235398
Cadmium	NELAP	0.2	1.0	J	0.3	µg/L	5	03/03/2025 11:22	235398
Chromium	NELAP	0.7	1.5		7.5	µg/L	5	03/03/2025 11:22	235398
Cobalt	NELAP	0.1	1.0		2.8	µg/L	5	03/04/2025 11:49	235398
Lead	NELAP	0.6	1.0		3.1	µg/L	5	03/03/2025 11:22	235398
Lithium	*	1.4	3.0		11.6	µg/L	5	03/03/2025 11:22	235398
Molybdenum	NELAP	0.6	1.5	J	1.3	µg/L	5	03/03/2025 11:22	235398
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	03/03/2025 11:22	235398
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	03/03/2025 11:22	235398
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		0.73	µg/L	1	03/03/2025 12:09	235426



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-064
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G307D
Collection Date: 02/10/2025 9:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		12.49	ft	1	02/10/2025 9:17	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.8	NTU	1	02/10/2025 9:17	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-118	mV	1	02/10/2025 9:17	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1250	µS/cm	1	02/10/2025 9:17	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.8	°C	1	02/10/2025 9:17	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.24	mg/L	1	02/10/2025 9:17	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		7.23		1	02/10/2025 9:17	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		275	mg/L	1	02/11/2025 11:22	R360118
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/11/2025 11:22	R360118
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		845	mg/L	1.25	02/11/2025 17:18	R360208
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		0.70	mg/L	10	02/12/2025 2:43	R360177
Chloride	NELAP	1.00	5.00		13.9	mg/L	10	02/12/2025 2:43	R360177
Sulfate	NELAP	3.00	10.0		479	mg/L	10	02/12/2025 2:43	R360177
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		114	mg/L	1	02/11/2025 9:42	234593
Magnesium	NELAP	0.006	0.050		53.1	mg/L	1	02/11/2025 9:42	234593
Potassium	NELAP	0.040	0.100		0.687	mg/L	1	02/11/2025 9:42	234593
Sodium	NELAP	0.018	0.050		96.5	mg/L	1	02/11/2025 9:42	234593
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/13/2025 7:02	234593
Arsenic	NELAP	0.4	1.0		2.5	µg/L	5	02/18/2025 5:26	234593
Barium	NELAP	0.7	1.0		23.0	µg/L	5	02/13/2025 7:02	234593
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 7:02	234593
Boron	NELAP	9.2	20.0		1410	µg/L	5	02/13/2025 7:02	234593
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 7:02	234593
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	02/13/2025 7:02	234593
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	02/13/2025 7:02	234593
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 7:02	234593
Lithium	*	1.4	3.0	J	2.5	µg/L	5	02/18/2025 19:55	234593
Molybdenum	NELAP	0.6	1.5		4.9	µg/L	5	02/13/2025 7:02	234593
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 7:02	234593
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/13/2025 7:02	234593
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 22:01	234608



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1

Work Order: 25011232
Report Date: 14-Mar-25

Lab ID: 25011232-065

Client Sample ID: G308

Matrix: GROUNDWATER

Collection Date: 02/10/2025 12:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.38	ft	1	02/10/2025 12:35	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.4	NTU	1	02/10/2025 12:35	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		24	mV	1	02/10/2025 12:35	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1540	µS/cm	1	02/10/2025 12:35	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.9	°C	1	02/10/2025 12:35	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.82	mg/L	1	02/10/2025 12:35	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		7.08		1	02/10/2025 12:35	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		267	mg/L	1	02/11/2025 11:15	R360118
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/11/2025 11:15	R360118
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1380	mg/L	1	02/11/2025 17:19	R360208
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.49	mg/L	10	02/12/2025 2:54	R360177
Chloride	NELAP	1.00	5.00		8.19	mg/L	10	02/12/2025 2:54	R360177
Sulfate	NELAP	3.00	10.0		805	mg/L	10	02/12/2025 2:54	R360177
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		153	mg/L	1	02/11/2025 9:43	234593
Magnesium	NELAP	0.006	0.050		91.6	mg/L	1	02/11/2025 9:43	234593
Potassium	NELAP	0.040	0.100		0.374	mg/L	1	02/11/2025 9:43	234593
Sodium	NELAP	0.018	0.050		116	mg/L	1	02/11/2025 9:43	234593
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/13/2025 7:08	234593
Arsenic	NELAP	0.4	1.0	J	0.4	µg/L	5	02/18/2025 5:32	234593
Barium	NELAP	0.7	1.0		14.8	µg/L	5	02/13/2025 7:08	234593
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 7:08	234593
Boron	NELAP	9.2	20.0		2190	µg/L	5	02/13/2025 7:08	234593
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 7:08	234593
Chromium	NELAP	0.7	1.5	J	0.9	µg/L	5	02/13/2025 7:08	234593
Cobalt	NELAP	0.1	1.0	J	0.4	µg/L	5	02/13/2025 7:08	234593
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 7:08	234593
Lithium	*	1.4	3.0		6.1	µg/L	5	02/18/2025 20:00	234593
Molybdenum	NELAP	0.6	1.5	J	1.0	µg/L	5	02/13/2025 7:08	234593
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 7:08	234593
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/13/2025 7:08	234593
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 22:03	234608



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-066
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G310
Collection Date: 02/07/2025 9:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.42	ft	1	02/07/2025 9:30	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.1	NTU	1	02/07/2025 9:30	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		35	mV	1	02/07/2025 9:30	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1150	µS/cm	1	02/07/2025 9:30	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.6	°C	1	02/07/2025 9:30	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.71	mg/L	1	02/07/2025 9:30	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		7.01		1	02/07/2025 9:30	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		253	mg/L	1	02/10/2025 9:24	R360037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/10/2025 9:24	R360037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		962	mg/L	1	02/10/2025 17:46	R360147
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	02/11/2025 1:38	R360088
Chloride	NELAP	1.00	5.00		9.47	mg/L	10	02/11/2025 1:38	R360088
Sulfate	NELAP	3.00	10.0		457	mg/L	10	02/11/2025 1:38	R360088
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		133	mg/L	1	02/11/2025 10:15	234533
Magnesium	NELAP	0.006	0.050		43.9	mg/L	1	02/11/2025 10:15	234533
Potassium	NELAP	0.040	0.100		0.380	mg/L	1	02/11/2025 10:15	234533
Sodium	NELAP	0.018	0.050		126	mg/L	1	02/11/2025 10:15	234533
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/11/2025 17:30	234533
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	02/11/2025 17:30	234533
Barium	NELAP	0.7	1.0		14.3	µg/L	5	02/11/2025 17:30	234533
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 17:12	234533
Boron	NELAP	9.2	20.0		1780	µg/L	5	02/13/2025 17:12	234533
Cadmium	NELAP	0.2	1.0	J	0.2	µg/L	5	02/11/2025 17:30	234533
Chromium	NELAP	0.7	1.5	J	1.4	µg/L	5	02/13/2025 17:12	234533
Cobalt	NELAP	0.1	1.0		1.1	µg/L	5	02/13/2025 17:12	234533
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/11/2025 17:30	234533
Lithium	*	1.4	3.0		7.4	µg/L	5	02/17/2025 16:53	234533
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/13/2025 17:12	234533
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/11/2025 17:30	234533
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/11/2025 17:30	234533
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 17:52	234564



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-067
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G312
Collection Date: 02/10/2025 11:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.27	ft	1	02/10/2025 11:26	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		< 1.0	NTU	1	02/10/2025 11:26	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		108	mV	1	02/10/2025 11:26	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2010	µS/cm	1	02/10/2025 11:26	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.3	°C	1	02/10/2025 11:26	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.91	mg/L	1	02/10/2025 11:26	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.33		1	02/10/2025 11:26	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		518	mg/L	1	02/11/2025 11:08	R360118
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/11/2025 11:08	R360118
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1860	mg/L	1	02/11/2025 17:20	R360208
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	02/12/2025 3:06	R360177
Chloride	NELAP	1.00	5.00		22.8	mg/L	10	02/12/2025 3:06	R360177
Sulfate	NELAP	3.00	10.0		946	mg/L	10	02/12/2025 3:06	R360177
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		176	mg/L	1	02/11/2025 9:59	234593
Magnesium	NELAP	0.006	0.050		131	mg/L	1	02/11/2025 9:59	234593
Potassium	NELAP	0.040	0.100		0.822	mg/L	1	02/11/2025 9:59	234593
Sodium	NELAP	0.018	0.050		149	mg/L	1	02/11/2025 9:59	234593
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/13/2025 7:14	234593
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	02/18/2025 6:26	234593
Barium	NELAP	0.7	1.0		35.2	µg/L	5	02/13/2025 7:14	234593
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 7:14	234593
Boron	NELAP	9.2	20.0		3370	µg/L	5	02/13/2025 7:14	234593
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 7:14	234593
Chromium	NELAP	0.7	1.5	J	1.0	µg/L	5	02/13/2025 7:14	234593
Cobalt	NELAP	0.1	1.0		1.3	µg/L	5	02/13/2025 7:14	234593
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 7:14	234593
Lithium	*	1.4	3.0		15.2	µg/L	5	02/18/2025 20:05	234593
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/13/2025 7:14	234593
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 7:14	234593
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/13/2025 7:14	234593
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 22:06	234608



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1

Work Order: 25011232
Report Date: 14-Mar-25

Lab ID: 25011232-068

Client Sample ID: G313

Matrix: GROUNDWATER

Collection Date: 02/11/2025 10:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		3.79	ft	1	02/11/2025 10:24	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.8	NTU	1	02/11/2025 10:24	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		75	mV	1	02/11/2025 10:24	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1670	µS/cm	1	02/11/2025 10:24	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		10.9	°C	1	02/11/2025 10:24	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.31	mg/L	1	02/11/2025 10:24	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.87		1	02/11/2025 10:24	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		485	mg/L	1	02/12/2025 12:20	R360206
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/12/2025 12:20	R360206
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1410	mg/L	1	02/12/2025 16:16	R360273
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	02/13/2025 23:46	R360304
Chloride	NELAP	1.00	5.00		16.9	mg/L	10	02/13/2025 23:46	R360304
Sulfate	NELAP	3.00	10.0		612	mg/L	10	02/13/2025 23:46	R360304
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	173	mg/L	1	02/13/2025 15:50	234691
Magnesium	NELAP	0.006	0.050	S	85.5	mg/L	1	02/13/2025 15:50	234691
Potassium	NELAP	0.040	0.100		0.918	mg/L	1	02/13/2025 15:50	234691
Sodium	NELAP	0.018	0.050	S	132	mg/L	1	02/13/2025 15:50	234691
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	S	< 1.0	µg/L	5	02/14/2025 9:26	234691
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	02/14/2025 9:26	234691
Barium	NELAP	0.7	1.0		16.7	µg/L	5	02/14/2025 9:26	234691
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/14/2025 9:26	234691
Boron	NELAP	9.2	20.0		2900	µg/L	5	02/17/2025 14:38	234691
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/14/2025 9:26	234691
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	02/14/2025 9:26	234691
Cobalt	NELAP	0.1	1.0	J	0.6	µg/L	5	02/14/2025 9:26	234691
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/14/2025 9:26	234691
Lithium	*	1.4	3.0		14.4	µg/L	5	02/17/2025 14:38	234691
Molybdenum	NELAP	0.6	1.5		2.5	µg/L	5	02/14/2025 9:26	234691
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/14/2025 9:26	234691
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/14/2025 9:26	234691

Matrix spike recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable.

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-068
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G313
Collection Date: 02/11/2025 10:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/14/2025 9:52	234700



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1

Work Order: 25011232
Report Date: 14-Mar-25

Lab ID: 25011232-069

Client Sample ID: G314

Matrix: GROUNDWATER

Collection Date: 02/07/2025 8:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.74	ft	1	02/07/2025 8:58	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		110	NTU	1	02/07/2025 8:58	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-61	mV	1	02/07/2025 8:58	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		3460	µS/cm	1	02/07/2025 8:58	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		10.7	°C	1	02/07/2025 8:58	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.79	mg/L	1	02/07/2025 8:58	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.55		1	02/07/2025 8:58	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		707	mg/L	1	02/10/2025 9:51	R360037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/10/2025 9:51	R360037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	20	25		3810	mg/L	1.25	02/10/2025 17:49	R360147
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	02/11/2025 1:50	R360088
Chloride	NELAP	1.00	5.00		29.1	mg/L	10	02/11/2025 1:50	R360088
Sulfate	NELAP	3.00	10.0		2190	mg/L	10	02/11/2025 1:50	R360088
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		633	mg/L	1	02/11/2025 10:15	234533
Magnesium	NELAP	0.006	0.050		289	mg/L	1	02/11/2025 10:15	234533
Potassium	NELAP	0.040	0.100		3.65	mg/L	1	02/11/2025 10:15	234533
Sodium	NELAP	0.018	0.050		136	mg/L	1	02/11/2025 10:15	234533
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/11/2025 17:36	234533
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	02/11/2025 17:36	234533
Barium	NELAP	0.7	1.0		21.9	µg/L	5	02/11/2025 17:36	234533
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 17:17	234533
Boron	NELAP	9.2	20.0		130	µg/L	5	02/13/2025 17:17	234533
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/11/2025 17:36	234533
Chromium	NELAP	0.7	1.5	J	1.3	µg/L	5	02/13/2025 17:17	234533
Cobalt	NELAP	0.1	1.0	J	0.8	µg/L	5	02/13/2025 17:17	234533
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/11/2025 17:36	234533
Lithium	*	1.4	3.0		5.1	µg/L	5	02/17/2025 16:59	234533
Molybdenum	NELAP	0.6	1.5	J	0.8	µg/L	5	02/13/2025 17:17	234533
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/11/2025 17:36	234533
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/11/2025 17:36	234533
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 17:55	234564



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-070
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G314D
Collection Date: 02/06/2025 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.04	ft	1	02/06/2025 14:31	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		96	NTU	1	02/06/2025 14:31	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-127	mV	1	02/06/2025 14:31	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2380	µS/cm	1	02/06/2025 14:31	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.8	°C	1	02/06/2025 14:31	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.43	mg/L	1	02/06/2025 14:31	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.92		1	02/06/2025 14:31	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		708	mg/L	1	02/07/2025 11:57	R359974
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/07/2025 11:57	R359974
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		2440	mg/L	2.5	02/10/2025 12:29	R360147
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.44	mg/L	10	02/11/2025 3:00	R360088
Chloride	NELAP	1.00	5.00		46.0	mg/L	10	02/11/2025 3:00	R360088
Sulfate	NELAP	3.00	10.0		1190	mg/L	10	02/11/2025 3:00	R360088
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		307	mg/L	1	02/10/2025 12:29	234473
Magnesium	NELAP	0.006	0.050		109	mg/L	1	02/10/2025 12:29	234473
Potassium	NELAP	0.040	0.100		3.41	mg/L	1	02/10/2025 12:29	234473
Sodium	NELAP	0.018	0.050		419	mg/L	1	02/10/2025 12:29	234473
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/12/2025 23:22	234473
Arsenic	NELAP	0.4	1.0		5.0	µg/L	5	02/12/2025 23:22	234473
Barium	NELAP	0.7	1.0		26.9	µg/L	5	02/12/2025 23:22	234473
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/12/2025 23:22	234473
Boron	NELAP	9.2	20.0		193	µg/L	5	02/12/2025 23:22	234473
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/12/2025 23:22	234473
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	02/12/2025 23:22	234473
Cobalt	NELAP	0.1	1.0		2.3	µg/L	5	02/12/2025 23:22	234473
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/12/2025 23:22	234473
Lithium	*	1.4	3.0		11.6	µg/L	5	02/18/2025 13:49	234473
Molybdenum	NELAP	0.6	1.5		3.2	µg/L	5	02/12/2025 23:22	234473
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/12/2025 23:22	234473
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/14/2025 19:02	234473
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20	J	0.11	µg/L	1	02/10/2025 9:45	234483



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-071
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G315
Collection Date: 02/10/2025 10:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.59	ft	1	02/10/2025 10:48	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.5	NTU	1	02/10/2025 10:48	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		95	mV	1	02/10/2025 10:48	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1080	µS/cm	1	02/10/2025 10:48	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.2	°C	1	02/10/2025 10:48	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.95	mg/L	1	02/10/2025 10:48	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.76		1	02/10/2025 10:48	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		225	mg/L	1	02/11/2025 11:55	R360118
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/11/2025 11:55	R360118
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		910	mg/L	1	02/12/2025 15:12	R360273
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.21	mg/L	10	02/12/2025 3:18	R360177
Chloride	NELAP	1.00	5.00		10.4	mg/L	10	02/12/2025 3:18	R360177
Sulfate	NELAP	3.00	10.0		430	mg/L	10	02/12/2025 3:18	R360177
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		104	mg/L	1	02/11/2025 10:00	234593
Magnesium	NELAP	0.006	0.050		47.5	mg/L	1	02/11/2025 10:00	234593
Potassium	NELAP	0.040	0.100		0.247	mg/L	1	02/11/2025 10:00	234593
Sodium	NELAP	0.018	0.050		87.6	mg/L	1	02/11/2025 10:00	234593
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/13/2025 7:21	234593
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	02/18/2025 6:32	234593
Barium	NELAP	0.7	1.0		15.9	µg/L	5	02/13/2025 7:21	234593
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 7:21	234593
Boron	NELAP	9.2	20.0		1290	µg/L	5	02/13/2025 7:21	234593
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 7:21	234593
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	02/13/2025 7:21	234593
Cobalt	NELAP	0.1	1.0	J	0.4	µg/L	5	02/13/2025 7:21	234593
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 7:21	234593
Lithium	*	1.4	3.0		4.8	µg/L	5	02/18/2025 20:10	234593
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/13/2025 7:21	234593
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 7:21	234593
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/13/2025 7:21	234593
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 22:12	234608



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-072
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G316
Collection Date: 02/10/2025 12:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.03	ft	1	02/10/2025 12:07	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		13	NTU	1	02/10/2025 12:07	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-108	mV	1	02/10/2025 12:07	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1780	µS/cm	1	02/10/2025 12:07	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		10.6	°C	1	02/10/2025 12:07	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.81	mg/L	1	02/10/2025 12:07	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.95		1	02/10/2025 12:07	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		634	mg/L	1	02/11/2025 11:47	R360118
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/11/2025 11:47	R360118
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1290	mg/L	2.5	02/11/2025 17:17	R360208
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.27	mg/L	10	02/12/2025 3:29	R360177
Chloride	NELAP	1.00	5.00		19.7	mg/L	10	02/12/2025 3:29	R360177
Sulfate	NELAP	3.00	10.0		625	mg/L	10	02/12/2025 3:29	R360177
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		158	mg/L	1	02/11/2025 10:00	234593
Magnesium	NELAP	0.006	0.050		127	mg/L	1	02/11/2025 10:00	234593
Potassium	NELAP	0.040	0.100		1.84	mg/L	1	02/11/2025 10:00	234593
Sodium	NELAP	0.018	0.050		116	mg/L	1	02/11/2025 10:00	234593
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/13/2025 8:10	234593
Arsenic	NELAP	0.4	1.0		7.0	µg/L	5	02/18/2025 6:38	234593
Barium	NELAP	0.7	1.0		56.3	µg/L	5	02/13/2025 8:10	234593
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 8:10	234593
Boron	NELAP	9.2	20.0		259	µg/L	5	02/13/2025 8:10	234593
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 8:10	234593
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	02/13/2025 8:10	234593
Cobalt	NELAP	0.1	1.0		1.7	µg/L	5	02/13/2025 8:10	234593
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 8:10	234593
Lithium	*	1.4	3.0		< 3.0	µg/L	5	02/18/2025 20:16	234593
Molybdenum	NELAP	0.6	1.5		5.0	µg/L	5	02/18/2025 6:38	234593
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 8:10	234593
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/18/2025 6:38	234593
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 22:15	234608



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1

Work Order: 25011232
Report Date: 14-Mar-25

Lab ID: 25011232-089

Client Sample ID: SG-02

Matrix: GROUNDWATER

Collection Date: 02/03/2025 12:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.81	ft	1	02/03/2025 12:15	R360241



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-090
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: SG-03
Collection Date: 02/03/2025 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.34	ft	1	02/03/2025 12:00	R360241



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-094
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: XPW01
Collection Date: 02/11/2025 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.66	ft	1	02/11/2025 10:20	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		43	NTU	1	02/11/2025 10:20	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-46	mV	1	02/11/2025 10:20	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1140	µS/cm	1	02/11/2025 10:20	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.7	°C	1	02/11/2025 10:20	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.80	mg/L	1	02/11/2025 10:20	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		7.78		1	02/11/2025 10:20	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		141	mg/L	1	02/12/2025 12:44	R360206
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/12/2025 12:44	R360206
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	18	22		1070	mg/L	1.11	02/12/2025 16:19	R360273
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		0.92	mg/L	10	02/14/2025 1:31	R360304
Chloride	NELAP	1.00	5.00		8.03	mg/L	10	02/14/2025 1:31	R360304
Sulfate	NELAP	3.00	10.0		570	mg/L	10	02/14/2025 1:31	R360304
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		184	mg/L	1	02/13/2025 16:01	234691
Magnesium	NELAP	0.006	0.050		20.8	mg/L	1	02/13/2025 16:01	234691
Potassium	NELAP	0.400	1.00		21.2	mg/L	10	02/14/2025 12:41	234691
Sodium	NELAP	0.018	0.050		73.3	mg/L	1	02/13/2025 16:01	234691
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/14/2025 11:40	234691
Arsenic	NELAP	0.4	1.0		9.6	µg/L	5	02/14/2025 11:40	234691
Barium	NELAP	0.7	1.0		47.5	µg/L	5	02/14/2025 11:40	234691
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/14/2025 11:40	234691
Boron	NELAP	9.2	20.0		3210	µg/L	5	02/19/2025 9:37	234691
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/14/2025 11:40	234691
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	02/14/2025 11:40	234691
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	02/14/2025 11:40	234691
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/14/2025 11:40	234691
Lithium	*	1.4	3.0		62.6	µg/L	5	02/14/2025 11:40	234691
Molybdenum	NELAP	0.6	1.5		90.8	µg/L	5	02/14/2025 11:40	234691
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/14/2025 11:40	234691
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/14/2025 11:40	234691
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/14/2025 10:08	234700



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-095
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: XPW02
Collection Date: 02/11/2025 10:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.85	ft	1	02/11/2025 10:39	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		22	NTU	1	02/11/2025 10:39	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-161	mV	1	02/11/2025 10:39	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		748	µS/cm	1	02/11/2025 10:39	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.4	°C	1	02/11/2025 10:39	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.86	mg/L	1	02/11/2025 10:39	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		7.48		1	02/11/2025 10:39	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		189	mg/L	1	02/12/2025 13:26	R360206
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/12/2025 13:26	R360206
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	27	33		588	mg/L	1.67	02/12/2025 16:19	R360273
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.21	mg/L	10	02/14/2025 1:42	R360304
Chloride	NELAP	1.0	5.0	J	4.5	mg/L	10	02/14/2025 1:42	R360304
Sulfate	NELAP	3.00	10.0		222	mg/L	10	02/14/2025 1:42	R360304
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		118	mg/L	1	02/13/2025 16:03	234691
Magnesium	NELAP	0.006	0.050		16.0	mg/L	1	02/13/2025 16:03	234691
Potassium	NELAP	0.400	1.00		15.5	mg/L	10	02/14/2025 12:42	234691
Sodium	NELAP	0.018	0.050		30.2	mg/L	1	02/13/2025 16:03	234691
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/14/2025 11:46	234691
Arsenic	NELAP	0.4	1.0		13.3	µg/L	5	02/14/2025 11:46	234691
Barium	NELAP	0.7	1.0		169	µg/L	5	02/14/2025 11:46	234691
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/14/2025 11:46	234691
Boron	NELAP	9.2	20.0		1870	µg/L	5	02/18/2025 15:08	234691
Cadmium	NELAP	0.2	1.0	J	0.2	µg/L	5	02/14/2025 11:46	234691
Chromium	NELAP	0.7	1.5	J	0.7	µg/L	5	02/14/2025 11:46	234691
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	02/14/2025 11:46	234691
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/14/2025 11:46	234691
Lithium	*	1.4	3.0		59.8	µg/L	5	02/14/2025 11:46	234691
Molybdenum	NELAP	0.6	1.5		12.4	µg/L	5	02/14/2025 11:46	234691
Selenium	NELAP	0.6	1.0	J	0.9	µg/L	5	02/14/2025 11:46	234691
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/14/2025 11:46	234691
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/14/2025 10:11	234700



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-096
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: XSG-01
Collection Date: 02/03/2025 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.72	ft	1	02/03/2025 10:45	R360241



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-097
Matrix: AQUEOUS

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: Field Blank
Collection Date: 02/11/2025 11:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/12/2025 14:23	R360206
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/12/2025 14:23	R360206
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		52	mg/L	1	02/12/2025 16:20	R360273
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	02/14/2025 1:54	R360304
Chloride	NELAP	1.00	5.00		ND	mg/L	10	02/14/2025 1:54	R360304
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	02/14/2025 1:54	R360304
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		< 0.100	mg/L	1	02/13/2025 13:02	234691
Magnesium	NELAP	0.006	0.050		< 0.050	mg/L	1	02/13/2025 13:02	234691
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	02/13/2025 13:02	234691
Sodium	NELAP	0.018	0.050		< 0.050	mg/L	1	02/13/2025 13:02	234691
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/14/2025 11:52	234691
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	02/14/2025 11:52	234691
Barium	NELAP	0.7	1.0		< 1.0	µg/L	5	02/14/2025 11:52	234691
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/14/2025 11:52	234691
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	02/18/2025 14:47	234691
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/14/2025 11:52	234691
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	02/14/2025 11:52	234691
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	02/14/2025 11:52	234691
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/14/2025 11:52	234691
Lithium	*	1.4	3.0		< 3.0	µg/L	5	02/14/2025 11:52	234691
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/14/2025 11:52	234691
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/14/2025 11:52	234691
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/14/2025 11:52	234691
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/14/2025 10:13	234700



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-102
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G305 Duplicate
Collection Date: 02/10/2025 12:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.46	ft	1	02/10/2025 12:21	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	02/10/2025 12:21	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		90	mV	1	02/10/2025 12:21	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1620	µS/cm	1	02/10/2025 12:21	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.4	°C	1	02/10/2025 12:21	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.94	mg/L	1	02/10/2025 12:21	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		7.14		1	02/10/2025 12:21	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		244	mg/L	1	02/11/2025 12:32	R360118
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/11/2025 12:32	R360118
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1400	mg/L	1	02/11/2025 17:32	R360208
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.42	mg/L	10	02/12/2025 5:49	R360177
Chloride	NELAP	1.00	5.00		16.6	mg/L	10	02/12/2025 5:49	R360177
Sulfate	NELAP	3.00	10.0		816	mg/L	10	02/12/2025 5:49	R360177
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		151	mg/L	1	02/12/2025 18:57	234622
Magnesium	NELAP	0.006	0.050		92.7	mg/L	1	02/13/2025 16:44	234622
Potassium	NELAP	0.040	0.100		0.542	mg/L	1	02/12/2025 18:57	234622
Sodium	NELAP	0.018	0.050		125	mg/L	1	02/12/2025 18:57	234622
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/14/2025 3:36	234622
Arsenic	NELAP	0.4	1.0	J	0.4	µg/L	5	02/14/2025 3:36	234622
Barium	NELAP	0.7	1.0		27.4	µg/L	5	02/20/2025 8:36	235003
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/14/2025 3:36	234622
Boron	NELAP	9.2	20.0		2010	µg/L	5	02/14/2025 3:36	234622
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/14/2025 3:36	234622
Chromium	NELAP	0.7	1.5	J	1.3	µg/L	5	02/14/2025 3:36	234622
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	02/14/2025 3:36	234622
Lead	NELAP	0.6	1.0	J	0.9	µg/L	5	02/14/2025 3:36	234622
Lithium	*	1.4	3.0		5.9	µg/L	5	02/14/2025 3:36	234622
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/14/2025 3:36	234622
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/14/2025 3:36	234622
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/14/2025 3:36	234622
<i>Contamination present in the CCB for Sb. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 23:02	234613



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-103
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G303 Duplicate
Collection Date: 02/10/2025 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.09	ft	1	02/10/2025 11:23	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		62	NTU	1	02/10/2025 11:23	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		58	mV	1	02/10/2025 11:23	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1800	µS/cm	1	02/10/2025 11:23	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.2	°C	1	02/10/2025 11:23	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.48	mg/L	1	02/10/2025 11:23	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.81		1	02/10/2025 11:23	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		608	mg/L	1	02/11/2025 12:16	R360118
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/11/2025 12:16	R360118
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1530	mg/L	1	02/11/2025 17:21	R360208
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.20	mg/L	10	02/12/2025 6:01	R360177
Chloride	NELAP	1.00	5.00		23.7	mg/L	10	02/12/2025 6:01	R360177
Sulfate	NELAP	3.00	10.0		629	mg/L	10	02/12/2025 6:01	R360177
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		149	mg/L	1	02/12/2025 18:58	234622
Magnesium	NELAP	0.006	0.050		131	mg/L	1	02/13/2025 16:45	234622
Potassium	NELAP	0.040	0.100		1.82	mg/L	1	02/12/2025 18:58	234622
Sodium	NELAP	0.018	0.050		165	mg/L	1	02/12/2025 18:58	234622
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.5	µg/L	5	02/14/2025 4:49	234622
Arsenic	NELAP	0.4	1.0		1.6	µg/L	5	02/14/2025 4:49	234622
Barium	NELAP	0.7	1.0		27.9	µg/L	5	02/20/2025 8:41	235003
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/14/2025 4:49	234622
Boron	NELAP	9.2	20.0		2160	µg/L	5	02/14/2025 4:49	234622
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/14/2025 4:49	234622
Chromium	NELAP	0.7	1.5		3.3	µg/L	5	02/14/2025 4:49	234622
Cobalt	NELAP	0.1	1.0		1.5	µg/L	5	02/17/2025 15:58	234622
Lead	NELAP	0.6	1.0		1.4	µg/L	5	02/14/2025 4:49	234622
Lithium	*	1.4	3.0		20.4	µg/L	5	02/14/2025 4:49	234622
Molybdenum	NELAP	0.6	1.5	J	1.3	µg/L	5	02/14/2025 4:49	234622
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/14/2025 4:49	234622
Thallium	NELAP	1.0	2.0	J	1.4	µg/L	5	02/14/2025 4:49	234622
<i>Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/12/2025 23:08	234613



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011232-104
Matrix: GROUNDWATER

Work Order: 25011232
Report Date: 14-Mar-25
Client Sample ID: G314D Duplicate
Collection Date: 02/06/2025 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.04	ft	1	02/06/2025 14:31	R360241
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		96	NTU	1	02/06/2025 14:31	R360241
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-127	mV	1	02/06/2025 14:31	R360241
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2380	µS/cm	1	02/06/2025 14:31	R360241
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.8	°C	1	02/06/2025 14:31	R360241
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.43	mg/L	1	02/06/2025 14:31	R360241
SW-846 9040B FIELD									
pH	*	0	1.00		6.92		1	02/06/2025 14:31	R360241
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		636	mg/L	1	02/07/2025 11:50	R359974
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/07/2025 11:50	R359974
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		2110	mg/L	2.5	02/10/2025 12:45	R360147
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.34	mg/L	10	02/11/2025 5:08	R360088
Chloride	NELAP	1.00	5.00		50.6	mg/L	10	02/11/2025 5:08	R360088
Sulfate	NELAP	3.00	10.0		1170	mg/L	10	02/11/2025 5:08	R360088
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		286	mg/L	1	02/10/2025 13:29	234473
Magnesium	NELAP	0.006	0.050		106	mg/L	1	02/10/2025 13:29	234473
Potassium	NELAP	0.040	0.100		3.45	mg/L	1	02/10/2025 13:29	234473
Sodium	NELAP	0.018	0.050		427	mg/L	1	02/10/2025 13:29	234473
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/13/2025 1:24	234473
Arsenic	NELAP	0.4	1.0		3.1	µg/L	5	02/13/2025 1:24	234473
Barium	NELAP	0.7	1.0		25.2	µg/L	5	02/13/2025 1:24	234473
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 1:24	234473
Boron	NELAP	9.2	20.0		192	µg/L	5	02/13/2025 1:24	234473
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/13/2025 1:24	234473
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	02/13/2025 1:24	234473
Cobalt	NELAP	0.1	1.0	J	0.9	µg/L	5	02/13/2025 1:24	234473
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 1:24	234473
Lithium	*	1.4	3.0		13.6	µg/L	5	02/18/2025 14:20	234473
Molybdenum	NELAP	0.6	1.5		3.5	µg/L	5	02/13/2025 1:24	234473
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/13/2025 1:24	234473
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/18/2025 14:20	234473
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/10/2025 10:03	234483

Sample Summary

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

Client: Ramboll
Client Project: COF-25Q1

Work Order: 25011232
Report Date: 14-Mar-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
25011232-054	G281	Groundwater	4	02/05/2025 11:37
25011232-058	G301	Groundwater	2	02/07/2025 10:17
25011232-059	G302	Groundwater	2	02/07/2025 9:51
25011232-060	G303	Groundwater	2	02/10/2025 11:23
25011232-061	G305	Groundwater	2	02/10/2025 12:21
25011232-062	G306	Groundwater	2	02/10/2025 10:14
25011232-063	G307	Groundwater	2	02/28/2025 10:31
25011232-064	G307D	Groundwater	2	02/10/2025 9:17
25011232-065	G308	Groundwater	2	02/10/2025 12:35
25011232-066	G310	Groundwater	2	02/07/2025 9:30
25011232-067	G312	Groundwater	2	02/10/2025 11:26
25011232-068	G313	Groundwater	2	02/11/2025 10:24
25011232-069	G314	Groundwater	2	02/07/2025 8:58
25011232-070	G314D	Groundwater	2	02/06/2025 14:31
25011232-071	G315	Groundwater	2	02/10/2025 10:48
25011232-072	G316	Groundwater	2	02/10/2025 12:07
25011232-089	SG-02	Groundwater	1	02/03/2025 12:15
25011232-090	SG-03	Groundwater	1	02/03/2025 12:00
25011232-094	XPW01	Groundwater	2	02/11/2025 10:20
25011232-095	XPW02	Groundwater	2	02/11/2025 10:39
25011232-096	XSG-01	Groundwater	1	02/03/2025 10:45
25011232-097	Field Blank	Aqueous	8	02/11/2025 11:01
25011232-102	G305 Duplicate	Groundwater	6	02/10/2025 12:21
25011232-103	G303 Duplicate	Groundwater	2	02/10/2025 11:23
25011232-104	G314D Duplicate	Groundwater	2	02/06/2025 14:31



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

STANDARD METHODS 2510 B FIELD

Batch R360241		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	100.5	90	110	02/05/2025	

Batch R360241		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	99.9	90	110	02/04/2025	

Batch R360241		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	100.0	90	110	02/10/2025	

Batch R360241		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-BG											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	02/07/2025	

Batch R360241		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-JC											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	02/05/2025	

Batch R360241		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	02/11/2025	

Batch R360241		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-3-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.5	90	110	02/10/2025	

Batch R360241		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	100.1	90	110	02/06/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

STANDARD METHODS 2510 B FIELD

Batch R360241		SampType: LCS		Units μS/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	99.9	90	110	02/28/2025	

Batch R360241		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	100.4	90	110	02/11/2025	

Batch R360241		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	100.1	90	110	02/07/2025	

Batch R360241		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	99.9	90	110	02/10/2025	

Batch R360241		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-6-JC											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	99.9	90	110	02/11/2025

SW-846 9040B FIELD

Batch R360241		SampType: LCS		Units							
SampID: LCS-1-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		6.98	7.000	0	99.7	98.57	101.4	02/05/2025	

Batch R360241		SampType: LCS		Units							
SampID: LCS-1-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	02/04/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW-846 9040B FIELD

Batch R360241		SampType: LCS		Units							
SampID: LCS-1-TC											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.07	7.000	0	101.0	98.57	101.4	02/10/2025	

Batch R360241		SampType: LCS		Units							
SampID: LCS-2-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		6.99	7.000	0	99.9	98.57	101.4	02/07/2025	

Batch R360241		SampType: LCS		Units							
SampID: LCS-2-JC											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH		*	1.00		7.01	7.000	0	100.1	98.57	101.4	02/05/2025

Batch R360241		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		7.05	7.000	0	100.7	98.57	101.4	02/11/2025	

Batch R360241		SampType: LCS		Units							
SampID: LCS-3-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	02/10/2025	

Batch R360241		SampType: LCS		Units							
SampID: LCS-3-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	02/06/2025	

Batch R360241		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		6.97	7.000	0	99.6	98.57	101.4	02/28/2025	

Batch R360241		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		7.02	7.000	0	100.3	98.57	101.4	02/11/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW-846 9040B FIELD

Batch R360241		SampType: LCS		Units								Date
SampID: LCS-4-JC												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4			

Batch R360241		SampType: LCS		Units								Date
SampID: LCS-5-JC												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4			

Batch R360241		SampType: LCS		Units								Date
SampID: LCS-6-JC												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4			

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R359926		SampType: MBLK		Units mg/L								Date
SampID: MBLK												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			
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100			
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100			

Batch R359926		SampType: LCS		Units mg/L								Date
SampID: LCS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Total Dissolved Solids		20		964	1000	0	96.4	90	110			
Total Dissolved Solids		20		984	1000	0	98.4	90	110			
Total Dissolved Solids		20		970	1000	0	97.0	90	110			

Batch R359926		SampType: DUP		Units mg/L								RPD Limit 10
SampID: 25011232-023ADUP												Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Total Dissolved Solids		20		582				562.0	3.50			

Batch R359926		SampType: DUP		Units mg/L								RPD Limit 10
SampID: 25010617-032ADUP												Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Total Dissolved Solids		20		156				164.0	5.00			



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R359984		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		904	1000	0	90.4	90	110	02/06/2025
Total Dissolved Solids		20		974	1000	0	97.4	90	110	02/06/2025

Batch R359984		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011232-005ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		378				374.0	1.06	02/06/2025

Batch R359984		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011232-092ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		460				466.0	1.30	02/06/2025

Batch R359984		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25020223-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			200		2480				2660	7.00	02/06/2025

Batch R360061		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/07/2025	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/07/2025	

Batch R360061		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		990	1000	0	99.0	90	110	02/07/2025	
Total Dissolved Solids		20		996	1000	0	99.6	90	110	02/07/2025	

Batch R360061		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25020417-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			200		2020				2200	8.53	02/07/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R360061		SampType: DUP		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25020449-001BDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids		25		870				835.0	4.11	02/07/2025	

Batch R360061		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25020449-002BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		374				342.0	8.94	02/07/2025

Batch R360147		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/10/2025	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/10/2025	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/10/2025	

Batch R360147		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		1000	1000	0	100.0	90	110	02/10/2025	
Total Dissolved Solids		20		1030	1000	0	103.4	90	110	02/10/2025	
Total Dissolved Solids		20		930	1000	0	93.0	90	110	02/10/2025	

Batch R360147		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011232-026ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		658				702.0	6.47	02/10/2025

Batch R360147		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011232-054ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		994				1072	7.55	02/10/2025

Batch R360147		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011232-081ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		510				496.0	2.78	02/10/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch	R360147	SampType:	DUP	Units	mg/L	RPD Limit	10						
SampleID:	25020557-001BDUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed			
Total Dissolved Solids		20		754				724.0	4.06	02/10/2025			

Batch	R360208	SampType:	MBLK	Units	mg/L								
SampleID:	MBLK												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed			
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/11/2025			
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/11/2025			
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/11/2025			

Batch	R360208	SampType:	LCS	Units	mg/L								
SampleID:	LCS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed			
Total Dissolved Solids		20		988	1000	0	98.8	90	110	02/11/2025			
Total Dissolved Solids		20		986	1000	0	98.6	90	110	02/11/2025			
Total Dissolved Solids		20		998	1000	0	99.8	90	110	02/11/2025			

Batch	R360208	SampType:	DUP	Units	mg/L	RPD Limit	10						
SampleID:	25011232-100ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed			
Total Dissolved Solids		20		910				878.0	3.58	02/11/2025			

Batch	R360208	SampType:	DUP	Units	mg/L	RPD Limit	10						
SampleID:	25011232-101ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed			
Total Dissolved Solids		20		744				702.0	5.81	02/11/2025			

Batch	R360208	SampType:	DUP	Units	mg/L	RPD Limit	10						
SampleID:	25011232-102ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed			
Total Dissolved Solids		20		1380				1404	1.72	02/11/2025			

Batch	R360208	SampType:	DUP	Units	mg/L	RPD Limit	10						
SampleID:	25020557-008BDUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed			
Total Dissolved Solids		20		940				938.0	0.21	02/11/2025			



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R360208		SampType: DUP		Units mg/L				RPD Limit 10			
SampleID: 25020757-001BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			33		357				370.7	3.67	02/11/2025

Batch	R360273	SampType:	MBLK	Units mg/L								
SampID: MBLK												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/12/2025		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/12/2025		

Batch	R360273	SampType:	LCS	Units								mg/L
SampID: LCS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Total Dissolved Solids		20		952	1000	0	95.2	90	110	02/12/2025		
Total Dissolved Solids		20		954	1000	0	95.4	90	110	02/12/2025		

Batch R360273		SampType: DUP		Units mg/L				RPD Limit 10			
SampleID: 25011232-071ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		884				910.0	2.90	02/12/2025	

Batch R360273		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011232-097ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		50				52.00	3.92	02/12/2025

Batch R360273		SampType: DUP		Units mg/L				RPD Limit 10				Date Analyzed
SampID: 25020831-001ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids			200		940				1020	8.16	02/12/2025	

Batch	R360377	SampType:	MBLK	Units mg/L							
SampID: MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/13/2025	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/14/2025	



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R360377		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		996	1000	0	99.6	90	110	02/14/2025
Total Dissolved Solids		20		1050	1000	0	105.2	90	110	02/13/2025

Batch R360377		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011232-083ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			1000		14200				13600	4.32	02/13/2025

Batch R360377		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25020872-001BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		920				940.0	2.15	02/13/2025

Batch R360377		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25021069-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			1000		18800				17500	7.16	02/14/2025

Batch R360377		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25021091-001BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		1100				1130	2.69	02/14/2025

Batch R361204		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
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		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		

Batch R361204		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		944	1000	0	94.4	90	110		
Total Dissolved Solids		20		926	1000	0	92.6	90	110		
Total Dissolved Solids		20		948	1000	0	94.8	90	110		



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Batch R361204		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011253-001ADUP											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids			25		892				905.0	1.39	03/03/2025

Batch R361204		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25011325-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		468				472.0	0.85	03/03/2025

Batch R361204		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25021941-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			33		1510				1403	7.56	03/03/2025

Batch R361204		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25022016-002BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		1590				1628	2.24	03/03/2025

Batch R361204		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 25022016-014BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		654				644.0	1.54	03/03/2025

Batch R361204		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 25022028-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		280				284.0	1.42	03/03/2025

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

Batch R360021		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		< 0.10	0.0270	0	0	-100	100	02/07/2025



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Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch R360021		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.00	1.000	0	100.1	90	110	02/07/2025	

Batch R360021		SampType: MS		Units mg/L							
SampID: 25011232-004EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.82	2.000	0	90.8	90	110	02/07/2025	

Batch R360021		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011232-004EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.82	2.000	0	91.2	1.816	0.44	02/07/2025

Batch R360021		SampType: MS		Units mg/L							
SampID: 25011232-019EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	S	1.80	2.000	0	89.9	90	110	02/07/2025	

Batch R360021		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011232-019EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	1.79	2.000	0	89.7	1.798	0.21	02/07/2025

Batch R360021		SampType: MS		Units mg/L							
SampID: 25020113-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	S	2.35	2.000	0.5662	89.3	90	110	02/07/2025	

Batch R360021		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020113-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	2.34	2.000	0.5662	88.4	2.353	0.76	02/07/2025

Batch R360021		SampType: MS		Units mg/L							
SampID: 25020247-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.20	S	7.41	4.000	3.910	87.6	90	110	02/07/2025	



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Client Project: COF-25Q1

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Batch R360021		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020247-001BMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.20	S	7.30	4.000	3.910	84.7	7.414	1.58	02/07/2025

Batch R360021		SampType: MS		Units mg/L							
SampID: 25020281-007BMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Ammonia (as N)			0.10		1.82	2.000	0	90.9	90	110	02/07/2025

Batch R360021		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 25020281-007BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.82	2.000	0	91.2	1.819	0.27	02/07/2025

Batch R360021		SampType: MS		Units mg/L							
SampID: 25020390-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.84	2.000	0	92.0	90	110	02/07/2025	

Batch R360021		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 25020390-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.83	2.000	0	91.6	1.840	0.40	02/07/2025

Batch R360021		SampType: MS		Units mg/L							
SampID: 25020429-002BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		3.30	2.000	1.459	92.2	90	110	02/07/2025

Batch R360021		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020429-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		3.28	2.000	1.459	91.1	3.304	0.69	02/07/2025

Batch R360110		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		< 0.10	0.0270	0	0	-100	100	02/10/2025



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Client: Ramboll

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Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch R360110 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		1.09	1.000	0	108.8	90	110	02/10/2025

Batch R360110 SampType: MS Units mg/L

SampID: 25020355-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		5.00		108	100.0	12.58	95.0	90	110	02/10/2025

Batch R360110 SampType: MSD Units mg/L

SampID: 25020355-002BMSD

RPD Limit 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		5.00		105	100.0	12.58	92.0	107.5	2.81	02/10/2025

Batch R360110 SampType: MS Units mg/L

SampID: 25020362-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.50		11.0	10.00	1.824	91.5	90	110	02/10/2025

Batch R360110 SampType: MSD Units mg/L

SampID: 25020362-001FMSD

RPD Limit 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.50		11.0	10.00	1.824	91.6	10.97	0.09	02/10/2025

Batch R360110 SampType: MS Units mg/L

SampID: 25020449-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.50		10.5	10.00	1.459	90.3	90	110	02/10/2025

Batch R360110 SampType: MSD Units mg/L

SampID: 25020449-001EMSD

RPD Limit 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.50		10.5	10.00	1.459	90.8	10.49	0.50	02/10/2025

Batch R360110 SampType: MS Units mg/L

SampID: 25020731-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	1.79	2.000	0.02780	88.0	90	110	02/11/2025



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Client Project: COF-25Q1

Report Date: 14-Mar-25

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Batch R360110		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25020731-001EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.10	S	1.81	2.000	0.02780	89.2	1.788	1.30	02/11/2025

Batch R360204		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)			0.10		< 0.10	0.0270	0	0	-100	100	02/12/2025

Batch	R360204	SampType:	LCS	Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.07	1.000	0	107.3	90	110	02/12/2025	

Batch R360204		SampType: MS		Units mg/L							
SampID: 25020176-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		3.11	2.000	1.184	96.3	90	110	02/13/2025	

Batch R360204		SampType: MSD	Units mg/L					RPD Limit 10			Date Analyzed
SampID: 25020176-001EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.10		3.09	2.000	1.184	95.4	3.110	0.57	02/13/2025

Batch R360204		SampType: MS		Units mg/L							
SampID: 25020346-002BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.92	2.000	1.012	95.4	90	110	02/12/2025

Batch	R360204	SampType:	MSD	Units					mg/L	RPD Limit			10
SampID: 25020346-002BMSD													
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Ammonia (as N)			0.10		2.94	2.000	1.012	96.4	2.919	0.73	02/12/2025		

Batch R360204		SampType: MS		Units mg/L							
SampID: 25020558-001HMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.16	2.000	0.2293	96.5	90	110	02/12/2025	



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Batch R360204		SampType: MSD		Units mg/L				RPD Limit 10			
SampleID: 25020558-001HMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.10		2.13	2.000	0.2293	95.1	2.160	1.31	02/12/2025

Batch R360204		SampType: MS		Units mg/L							
SampleID: 25020756-001HMS										Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		2.62	2.000	0.7613	92.7	90	110	02/12/2025	

Batch R360204		SampType: MSD		Units mg/L				RPD Limit 10			
SampleID: 25020756-001HMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.10		2.59	2.000	0.7613	91.4	2.616	1.02	02/12/2025

Batch R360204		SampType: MS		Units mg/L							
SampleID: 25020769-002BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		2.85	2.000	0.9957	92.8	90	110	02/12/2025	

Batch R360204		SampType: MSD		Units mg/L				RPD Limit 10			
SampleID: 25020769-002BMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.10		2.87	2.000	0.9957	93.5	2.852	0.50	02/12/2025

Batch R360204		SampType: MS		Units mg/L							
SampleID: 25020827-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.96	2.000	0	97.9	90	110	02/12/2025	

Batch R360204		SampType:	MSD		Units mg/L			RPD Limit 10				
SampleID: 25020827-007BMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)				0.10		1.93	2.000	0	96.3	1.958	1.65	02/12/2025

Batch R360204		SampType: MS		Units mg/L							
SampleID: 25020866-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		3.98	2.000	2.087	94.7	90	110	02/12/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch R360204		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020866-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		3.96	2.000	2.087	93.9	3.981	0.43	02/12/2025

Batch R360204		SampType: MS		Units mg/L							
SampID: 25020872-003HMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Ammonia (as N)			0.10	S	1.95	2.000	0.1653	89.3	90	110	
											02/12/2025

Batch	R360204	SampType:	MSD	Units						mg/L	RPD Limit		10
SampID: 25020872-003HMSD													Date Analyzed
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)					0.10		1.97	2.000	0.1653	90.3	1.952	0.97	02/12/2025

Batch R360204		SampType: MS		Units mg/L							
SampID: 25020960-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.93	2.000	0.04300	94.1	90	110	02/13/2025	

Batch R360204		SampType:	MSD		Units mg/L			RPD Limit 10				
SampID: 25020960-002BMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)				0.10		1.93	2.000	0.04300	94.3	1.926	0.14	02/13/2025

Batch R360204		SampType: MS		Units mg/L							
SampID: 25020970-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	E	5.74	2.000	3.844	94.9	90	110	02/13/2025	

Batch R360204		SampType:	MSD		Units mg/L				RPD Limit 10		
SampID: 25020970-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	E	5.71	2.000	3.844	93.4	5.742	0.54	02/13/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch R359928		SampType: MS		Units mg/L								Date
SampID: 25011232-005BMS												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			

Batch R359928		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 25011232-005BMSD													Analyzed
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	101.4	0.5100	0.59				02/06/2025

Batch R359928		SampType: MS		Units mg/L								Date
SampID: 25011232-010BMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	101.0	85	115			

Batch R359928		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 25011232-010BMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.4	0.5050	0.60				02/06/2025

Batch R359988		SampType: MS		Units mg/L								Date
SampID: 25011232-014BMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.8	85	115			

Batch R359988		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 25011232-014BMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	95.0	0.4690	1.27				02/07/2025

Batch R359988		SampType: MS		Units mg/L								Date
SampID: 25011232-015BMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.2	85	115			

Batch R359988		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 25011232-015BMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	94.0	0.4660	0.85				02/07/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch R359988		SampType: MS		Units mg/L						
SampID: 25020557-008BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	91.2	85	115	02/07/2025

Batch R359988		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25020557-008BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrite (as N)			0.05		0.46	0.5000	0	92.8	0.4560	1.74	

Batch R359988		SampType: MS		Units mg/L							
SampID: 25020584-008BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.2	85	115	02/07/2025	

Batch R359988		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25020584-008BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrite (as N)			0.05		0.50	0.5000	0	99.6	0.5010	0.60	

Batch R360131		SampType: MS		Units mg/L							
SampID: 25011232-097BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.8	85	115	02/11/2025	

Batch R360131		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25011232-097BMSD											
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	101.2	0.5090	0.59		

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

Batch R359863		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	02/05/2025	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	02/05/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch R359863		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		0.29	0.3045	0	93.6	90	110	02/05/2025	
Nitrogen, Nitrite (as N)		0.05		0.29	0.3045	0	93.9	90	110	02/05/2025	

Batch R359863		SampType: MS		Units mg/L						
SampID: 25020285-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	96.8	85	115	02/05/2025

Batch R359863		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020285-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.48	0.5000	0	96.6	0.4840	0.21	02/05/2025

Batch R359863		SampType: MS		Units mg/L							
SampID: 25020294-008AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	92.4	85	115	02/05/2025	

Batch R359863		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 25020294-008AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.47	0.5000	0	94.8	0.4620	2.56	02/05/2025

Batch R359863		SampType: MS		Units mg/L							
SampID: 25020294-009AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	95.2	85	115	02/05/2025	

Batch R359863		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 25020294-009AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.48	0.5000	0	95.8	0.4760	0.63	02/05/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch R359863		SampType: MS		Units mg/L						
SampID: 25020294-012AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	95.2	85	115	02/05/2025

Batch R359863		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25020294-012AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrite (as N)			0.05		0.47	0.5000	0	94.6	0.4760	0.63	02/05/2025

Batch R359863		SampType: MS		Units mg/L							
SampID: 25020294-013EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	96.4	85	115	02/05/2025	

Batch R359863		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 25020294-013EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	96.4	0.4820	0.00	02/05/2025	

Batch R359863		SampType: MS		Units mg/L							
SampID: 25020338-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0.01500	91.2	85	115	02/05/2025	

Batch R359863		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020338-001AMSD											
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	0.01500	91.6	0.4710	0.42	02/05/2025

Batch R359928		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	02/06/2025
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	02/06/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch R359928		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.5	90	110	02/06/2025	
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.5	90	110	02/06/2025	

Batch R359928		SampType: MS		Units mg/L							
SampID: 25020522-001AMS											
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	102.0	85	115	02/06/2025	

Batch R359928		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020522-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.6	0.5100	1.38	02/06/2025	

Batch R359988		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	02/07/2025	

Batch R359988		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.29	0.3045	0	95.2	90	110	02/07/2025	

Batch R359988		SampType: MS		Units mg/L							
SampID: 25020457-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05	S	0.18	0.5000	0	35.2	85	115	02/07/2025	

Batch R359988		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 25020457-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05	S	0.18	0.5000	0	36.4	0.1760	3.35	02/07/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch R360064 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	02/10/2025
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	02/10/2025

Batch R360064 SampType: LCS Units mg/L

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.29	0.3045	0	93.9	90	110	02/10/2025
Nitrogen, Nitrite (as N)		0.05		0.29	0.3045	0	93.9	90	110	02/10/2025

Batch R360064 SampType: MS Units mg/L

SampID: 25020681-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.54	0.5000	0	107.0	85	115	02/10/2025

Batch R360064 SampType: MSD Units mg/L

SampID: 25020681-001AMSD

RPD Limit 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0	104.6	0.5350	2.27	02/10/2025

Batch R360064 SampType: MS Units mg/L

SampID: 25020720-002AMS

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	105.4	85	115	02/10/2025

Batch R360064 SampType: MSD Units mg/L

SampID: 25020720-002AMSD

RPD Limit 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.8	0.5270	3.47	02/10/2025

Batch R360131 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	02/11/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch R360131		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		0.28	0.3045	0	91.3	90	110	02/11/2025	

Batch R360131		SampType: MS		Units mg/L							
SampID: 25020799-001AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	97.8	85	115	02/11/2025	

Batch R360131		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020799-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.49	0.5000	0	98.4	0.4890	0.61	02/11/2025

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

Batch R359864		SampType: MS		Units mg/L							
SampID: 25011232-004BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			1.00		11.5	5.000	6.133	106.6	85	115	02/05/2025

Batch R359864		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011232-004BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			1.00		11.3	5.000	6.133	102.5	11.46	1.82	02/05/2025

Batch R359864		SampType: MS		Units mg/L							
SampID: 25011232-091BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.62	0.5000	1.143	94.6	85	115	02/05/2025	

Batch R359864		SampType: MSD	Units mg/L					RPD Limit 10			
SampID: 25011232-091BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.100		1.67	0.5000	1.143	105.2	1.616	3.23	02/05/2025



Quality Control Results

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

Client: Ramboll
Client Project: COF-25Q1

Work Order: 25011232
Report Date: 14-Mar-25

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

Batch R359864		SampType: MS		Units mg/L						
SampID: 25020362-003BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.272	0.2500	0	108.8	85	115	02/05/2025

Batch R359864		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020362-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050	R	0.240	0.2500	0	96.0	0.2720	12.50	02/05/2025

Batch R360189		SampType: MS		Units mg/L							
SampID: 25011232-097BMS											
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	100.8	85	115	02/11/2025	

Batch R360189		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25011232-097BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050	SR	0.301	0.2500	0	120.4	0.2520	17.72	02/11/2025

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Batch R359864		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< 0.050						02/05/2025	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	02/05/2025	

Batch R359864		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		0.485	0.5000	0	97.0	90	110	02/05/2025	

Batch R359864		SampType: MS		Units mg/L							
SampID: 25020338-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		2.50		30.1	12.50	18.03	96.6	90	110	02/05/2025	



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

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Batch R359864		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020338-001AMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			2.50		30.1	12.50	18.03	96.3	30.11	0.13	02/05/2025

Batch R359864		SampType: MS		Units mg/L							
SampID: 25020388-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		14.3	5.000	9.417	97.4	90	110	02/05/2025	

Batch R359864		SampType: MSD	Units mg/L					RPD Limit 10			
SampID: 25020388-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			1.00		14.4	5.000	9.417	98.9	14.28	0.54	02/05/2025

Batch R359864		SampType: MS		Units mg/L							
SampID: 25020421-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.585	0.2500	0.3180	106.8	90	110	02/05/2025	

Batch R359864		SampType: MSD	Units mg/L				RPD Limit 10				
SampID: 25020421-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.588	0.2500	0.3180	108.0	0.5850	0.51	02/05/2025

Batch	R359967	SampType:	MBLK	Units mg/L							
SampID: ICB/MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		0.050		< 0.050						02/06/2025	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	02/06/2025	

Batch R359967		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.507	0.5000	0	101.4	90	110	02/06/2025	



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

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Batch R359967		SampType: MS		Units mg/L						
SampID: 25020282-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	2.10	0.5000	1.596	100.0	90	110	02/06/2025

Batch R359967		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020282-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.100	E	2.12	0.5000	1.596	105.8	2.096	1.37	02/06/2025

Batch R359967		SampType: MS		Units mg/L							
SampID: 25020301-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.348	0.2500	0.1050	97.2	90	110	02/06/2025	

Batch R359967		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020301-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.375	0.2500	0.1050	108.0	0.3480	7.47	02/06/2025

Batch R359967		SampType: MS		Units mg/L							
SampID: 25020431-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.288	0.2500	0.02500	105.2	90	110	02/06/2025	

Batch R359967		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020431-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.285	0.2500	0.02500	104.0	0.2880	1.05	02/06/2025

Batch R360063		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)			0.050		< 0.050						02/07/2025
Nitrogen, Nitrate-Nitrite (as N)			0.050		< 0.050	0.0090	0	0	-100	100	02/07/2025



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Batch R360063		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		0.524	0.5000	0	104.8	90	110	02/07/2025

Batch R360063		SampType: MS		Units mg/L						
SampID: 25020260-002CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		6.30	2.500	3.741	102.2	90	110	02/07/2025

Batch R360063		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020260-002CMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.500		6.19	2.500	3.741	98.0	6.295	1.65	02/07/2025

Batch R360063		SampType: MS		Units mg/L						
SampID: 25020275-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		44.8	25.00	19.96	99.5	90	110	02/07/2025

Batch R360063		SampType: MSD		Units mg/L				RPD Limit 10		
SampID: 25020275-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		44.1	25.00	19.96	96.7	44.83	1.57	02/07/2025

Batch R360063		SampType: MS		Units mg/L							
SampID: 25020308-004AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	21.9	5.000	16.81	102.4	90	110	02/07/2025	

Batch R360063		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020308-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			1.00	E	21.8	5.000	16.81	100.0	21.93	0.55	02/07/2025

Batch R360063		SampType: MS		Units mg/L							
SampID: 25020324-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.500		4.78	2.500	2.294	99.6	90	110	02/07/2025	



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Batch R360063		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020324-002AMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.500		4.84	2.500	2.294	102.0	4.785	1.23	02/07/2025

Batch R360063		SampType: MS		Units mg/L							
SampID: 25020509-001CMS										Date Analyzed	
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.264	0.2500	0.01000	101.6	90	110	
02/07/2025											

Batch	R360063	SampType:	MSD	Units mg/L						RPD Limit 10		Date Analyzed
SampID: 25020509-001CMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)				0.050		0.258	0.2500	0.01000	99.2	0.2640	2.30	02/07/2025

Batch	R360113	SampType:	MBLK	Units mg/L							
SampID: ICB/MBLK											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrate (as N)			0.050		< 0.050						02/10/2025
Nitrogen, Nitrate-Nitrite (as N)			0.050		< 0.050	0.0090	0	0	-100	100	02/10/2025

Batch	R360113	SampType:	MBLK	Units mg/L								
SampID: MBLK-234528											Date Analyzed	
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		*	0.050		< 0.050						02/10/2025	
Nitrogen, Nitrate-Nitrite (as N)		*	0.050		< 0.050	0.0090	0	0	-100	100	02/10/2025	

Batch R360113		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		0.540	0.5000	0	108.0	90	110	02/10/2025

Batch	R360113	SampType:	MS	Units							
SampID: 25020206-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)	*		H	<						02/10/2025	
Nitrogen, Nitrate-Nitrite (as N)	*	0.050	H	0.917	0.2500	0.6570	104.0	90	110	02/10/2025	



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Batch	R360113	SampType:	MSD	Units						RPD Limit 10		
SampID: 25020206-005AMSD												Date
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Nitrogen, Nitrate (as N)			*		H	<						02/10/2025
Nitrogen, Nitrate-Nitrite (as N)			*	0.050	H	0.884	0.2500	0.6570	90.8	0.9170	3.66	02/10/2025

Batch R360113		SampType: MS		Units mg/L							
SampID: 25020720-002AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		18.0	5.000	13.08	99.3	90	110	02/10/2025	

Batch R360113		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 25020720-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			1.00		18.1	5.000	13.08	101.4	18.04	0.56	02/10/2025

Batch	R360189	SampType:	MBLK	Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< 0.050						02/11/2025	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	02/11/2025	

Batch R360189		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		0.539	0.5000	0	107.8	90	110	02/11/2025	

Batch R360189		SampType: MS		Units mg/L							
SampID: 25020704-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.500		4.98	2.500	2.284	107.8	90	110	02/11/2025	

Batch R360189		SampType:	MSD		Units mg/L				RPD Limit 10		
SampID: 25020704-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.500		4.87	2.500	2.284	103.5	4.979	2.19	02/11/2025



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Client: Ramboll

Work Order: 25011232

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Batch R360189		SampType: MS		Units mg/L							Date
SampID: 25020823-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		2.50		24.6	12.50	11.44	105.2	90	110	02/11/2025	

Batch R360189		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 25020823-001BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)		2.50		24.6	12.50	11.44	105.3	24.60	0.02	02/11/2025		

SW-846 9012A (TOTAL)

Batch 234432		SampType: MBLK		Units mg/L							Date
SampID: MBLK 250206 TCN1											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	02/07/2025	

Batch 234432		SampType: LCS		Units mg/L							Date
SampID: LCS 250206 TCN1											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		0.026	0.0250	0	102.8	90	110	02/07/2025	

Batch 234432		SampType: MS		Units mg/L							Date
SampID: 25020200-002BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		0.027	0.0250	0.002015	99.2	90	110	02/07/2025	

Batch 234432		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 25020200-002BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Cyanide		0.005		0.025	0.0250	0.002015	93.6	0.02682	5.38	02/07/2025		

Batch 234433		SampType: MBLK		Units mg/L							Date
SampID: MBLK 250206 TCN2											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	02/07/2025	



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Batch 234433		SampType: LCS		Units mg/L							
SampID: LCS 250206 TCN2											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.005		0.024	0.0250	0	95.4	90	110	02/07/2025	

Batch 234433		SampType: MS		Units mg/L							
SampID: 25011232-035EMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.005		0.027	0.0250	0	106.1	75	125	02/07/2025	

Batch 234433		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011232-035EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	100.2	0.02652	5.70	02/07/2025	

Batch 234433		SampType: MS		Units mg/L							
SampID: 25011232-038EMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.005		0.026	0.0250	0	105.4	75	125	02/07/2025	

Batch 234433		SampType: MSD		Units mg/L				RPD Limit 15				
SampID: 25011232-038EMSD												Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide			0.005		0.026	0.0250	0	102.4	0.02634	2.85	02/07/2025	

Batch 234488		SampType: MBLK		Units mg/L							
SampID: MBLK 250207 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	02/10/2025	

Batch 234488		SampType: LCS		Units mg/L							
SampID: LCS 250207 TCN1											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.005		0.027	0.0250	0	109.1	90	110	02/10/2025	

Batch 234488		SampType: MS		Units mg/L							
SampID: 25011232-046EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.027	0.0250	0	108.9	75	125	02/10/2025	



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Batch 234488		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011232-046EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.029	0.0250	0	114.8	0.02722	5.26	02/10/2025

Batch 234489		SampType: MBLK		Units mg/L							
SampID: MBLK 250207 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	02/10/2025	

Batch 234489		SampType: LCS		Units mg/L							
SampID: LCS 250207 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.028	0.0250	0	111.7	90	110	02/10/2025	

Batch 234489		SampType: MS		Units mg/L							
SampID: 25011232-028EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.022	0.0250	0	87.3	75	125	02/10/2025	

Batch 234489		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011232-028EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	R	0.027	0.0250	0	109.5	0.02182	22.62	02/10/2025

Batch 234569		SampType: MBLK		Units mg/L							
SampID: MBLK 250210 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	02/11/2025	

Batch 234569		SampType: LCS		Units mg/L							
SampID: LCS 250210 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.028	0.0250	0	112.9	90	110	02/11/2025	

Batch 234569		SampType: MS		Units mg/L							
SampID: 25020059-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0.001850	96.6	90	110	02/11/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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Batch 234569		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25020059-001CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0.001850	97.6	0.02600	0.96	02/11/2025	

Batch 234569		SampType: MS		Units mg/L							
SampID: 25020478-001CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.025	S	0.157	0.1250	0.01920	110.2	90	110	02/11/2025	

Batch 234569		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 25020478-001CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide			0.025		0.153	0.1250	0.01920	107.2	0.1569	2.39	02/11/2025	

Batch 234569		SampType: MS		Units mg/L							
SampID: 25020558-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.029	0.0250	0.001670	110.7	90	110	02/11/2025	

Batch 234569		SampType: MSD		Units mg/L				RPD Limit 15				Date Analyzed
SampID: 25020558-001EMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide			0.005		0.028	0.0250	0.001670	103.5	0.02935	6.36	02/11/2025	

Batch 234569		SampType: MS		Units mg/L							
SampID: 25020721-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.025		0.152	0.1250	0.01515	109.4	90	110	02/11/2025	

Batch 234569		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25020721-001CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.025	S	0.156	0.1250	0.01515	112.7	0.1519	2.71	02/11/2025	

Batch 234569		SampType: MS		Units mg/L							
SampID: 25020727-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.028	0.0250	0	110.2	90	110	02/11/2025	



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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Batch 234569		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25020727-002AMSD											
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	111.8	0.02756	1.44	02/11/2025

Batch 234707		SampType: MBLK		Units mg/L							
SampID: MBLK 250212 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	J	0.003	0.0034	0	100.0	-100	100	02/13/2025	
Cyanide		0.005	JS	0.003	0.0015	0	233.3	-100	100	02/13/2025	

Batch 234707		SampType: LCS		Units mg/L							
SampID: LCS 250212 TCN1											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005	B	0.027	0.0250	0	107.9	90	110	02/13/2025	
Cyanide		0.005		0.027	0.0250	0	106.6	90	110	02/14/2025	
Cyanide		0.005	B	0.027	0.0250	0	107.4	90	110	02/13/2025	

Batch 234707		SampType: MS		Units mg/L							
SampID: 25020419-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.033	0.0250	0.01251	80.9	90	110	02/14/2025	

Batch 234707		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25020419-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	S	0.033	0.0250	0.01251	82.7	0.03274	1.37	02/14/2025

Batch 234707		SampType: MS		Units mg/L							
SampID: 25020486-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	B	0.030	0.0250	0.003635	104.3	90	110	02/13/2025	

Batch 234707		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25020486-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	B	0.031	0.0250	0.003635	108.8	0.02972	3.67	02/13/2025



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

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Batch 234759		SampType: MBLK		Units mg/L							
SampID: MBLK 250213 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	JS	0.003	0.0015	0	196.3	-100	100	02/14/2025	

Batch 234759		SampType: LCS		Units mg/L							
SampID: LCS 250213 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	BS	0.029	0.0250	0	116.8	90	110	02/14/2025	

Batch 234759		SampType: MS		Units mg/L							
SampID: 25020584-001DMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.005	B	0.031	0.0250	0.003135	110.7	75	125	02/14/2025	

Batch 234759		SampType: MSD		Units mg/L				RPD Limit 15				
SampID: 25020584-001DMSD												Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed	
Cyanide			0.005	B	0.030	0.0250	0.003135	106.1	0.03082	3.87	02/14/2025	

Batch 234837		SampType: MBLK		Units mg/L							
SampID: MBLK 250214 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	JS	0.003	0.0015	0	218.0	-100	100	02/15/2025	

Batch 234837		SampType: LCS		Units mg/L							
SampID: LCS 250214 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	BS	0.029	0.0250	0	114.4	90	110	02/15/2025	

Batch 234837		SampType: MS		Units mg/L							
SampID: 25011232-074DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	B	0.027	0.0250	0.003000	94.1	75	125	02/15/2025	

Batch 234837		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011232-074DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	B	0.029	0.0250	0.003000	104.4	0.02652	9.28	02/15/2025



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

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Batch 234837		SampType: MS		Units mg/L						
SampID: 25020757-001DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	B	0.030	0.0250	0.003300	107.6	75	125	02/15/2025

Batch 234837		SampType: MSD		Units mg/L				RPD Limit 15				
SampID: 25020757-001DMSD												Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide			0.005	B	0.030	0.0250	0.003300	104.9	0.03019	2.21	02/15/2025	

Batch 234864		SampType: MBLK		Units mg/L							
SampID: MBLK 250216 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	JS	0.004	0.0015	0	268.4	-100	100	02/17/2025	

Batch 234864		SampType: LCS		Units mg/L							
SampID: LCS 250216 TCN1											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.005	BS	0.029	0.0250	0	117.2	90	110	02/17/2025	

Batch 234970		SampType: MBLK		Units mg/L							
SampID: MBLK 250218 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	02/19/2025	

Batch 234970		SampType: LCS		Units mg/L							
SampID: LCS2 250218 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	100.6	90	110	02/20/2025	

Batch 234970		SampType: MS		Units mg/L							
SampID: 25020430-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	H	0.026	0.0250	0.002000	96.4	90	110	02/19/2025	

Batch 234970		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25020430-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	H	0.027	0.0250	0.002000	101.4	0.02610	4.68	02/19/2025



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

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Batch 234970		SampType: MS		Units mg/L							
SampID: 25021212-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.031	0.0250	0	124.8	90	110	02/19/2025	

Batch 234970		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25021212-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	R	0.027	0.0250	0	106.2	0.03120	16.12	02/19/2025

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359867		SampType: MS		Units mg/L						
SampID: 25011232-008BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.3	10.00	0.3940	99.1	80	120	02/05/2025
Chloride		5.00		253	200.0	52.46	100.4	80	120	02/05/2025
Sulfate		10.0		292	200.0	104.1	93.7	80	120	02/05/2025

Batch R359867		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25011232-008BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.4	10.00	0.3940	99.7	10.30	0.53	02/05/2025
Chloride		5.00		255	200.0	52.46	101.5	253.3	0.86	02/05/2025
Sulfate		10.0		293	200.0	104.1	94.4	291.6	0.44	02/05/2025

Batch R359867		SampType: MS		Units mg/L						
SampID: 25011232-020BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.3	10.00	0.2900	99.8	80	120	02/05/2025
Chloride		5.00		282	200.0	74.87	103.5	80	120	02/05/2025
Sulfate		10.0		264	200.0	76.01	94.1	80	120	02/05/2025

Batch R359867		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25011232-020BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.3	10.00	0.2900	100.1	10.27	0.30	02/05/2025
Chloride		5.00		281	200.0	74.87	103.2	281.9	0.21	02/05/2025
Sulfate		10.0		264	200.0	76.01	94.1	264.3	0.04	02/05/2025



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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Batch R359867		SampType: MS		Units mg/L						
SampID: 25011232-021BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.3	10.00	0.4380	98.9	80	120	02/05/2025
Chloride		5.00		230	200.0	31.29	99.5	80	120	02/05/2025
Sulfate		10.0		281	200.0	93.15	94.0	80	120	02/05/2025

Batch R359867		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011232-021BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.4	10.00	0.4380	99.7	10.33	0.69	02/05/2025
Chloride			5.00		232	200.0	31.29	100.2	230.3	0.59	02/05/2025
Sulfate			10.0		282	200.0	93.15	94.7	281.2	0.46	02/05/2025

Batch R359889		SampType: MS		Units mg/L						
SampID: 25011232-034BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.1	10.00	0.2290	99.1	80	120	02/07/2025
Chloride		5.00		230	200.0	38.06	96.0	80	120	02/07/2025
Sulfate		10.0		248	200.0	66.84	90.4	80	120	02/07/2025

Batch R359889		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011232-034BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.1	10.00	0.2290	99.1	10.14	0.02	02/07/2025
Chloride			5.00		230	200.0	38.06	96.0	230.1	0.03	02/07/2025
Sulfate			10.0		247	200.0	66.84	90.3	247.6	0.07	02/07/2025

Batch R360088		SampType: MS		Units mg/L						
SampID: 25011232-017BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.49	10.00	0	94.9	80	120	02/10/2025
Chloride		5.00		327	200.0	115.2	106.1	80	120	02/10/2025
Sulfate		10.0		296	200.0	101.8	97.1	80	120	02/10/2025



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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Batch R360088		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 25011232-017BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		9.56	10.00	0	95.6	9.493	0.75		
Chloride		5.00		330	200.0	115.2	107.2	327.5	0.66		
Sulfate		10.0		296	200.0	101.8	97.3	296.1	0.07		

Batch R360088		SampType: MS		Units mg/L						
SampID: 25011232-053BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.58	10.00	0.2020	93.8	80	120	02/10/2025
Chloride		5.00		266	200.0	61.14	102.4	80	120	02/10/2025
Sulfate		10.0		277	200.0	86.71	95.2	80	120	02/10/2025

Batch R360088		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 25011232-053BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.67	10.00	0.2020	94.6	9.577	0.94	02/10/2025
Chloride			5.00		265	200.0	61.14	102.1	266.0	0.29	02/10/2025
Sulfate			10.0		276	200.0	86.71	94.6	277.0	0.41	02/10/2025

Batch R360304		SampType: MS		Units mg/L						
SampID: 25020757-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.76	10.00	0.1430	96.2	80	120	02/13/2025
Chloride		5.00		223	200.0	17.10	102.9	80	120	02/13/2025
Sulfate		10.0		240	200.0	45.62	97.0	80	120	02/13/2025

Batch R360304		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 25020757-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.78	10.00	0.1430	96.3	9.759	0.16	
Chloride			5.00		222	200.0	17.10	102.6	222.9	0.29	
Sulfate			10.0		239	200.0	45.62	96.6	239.6	0.33	



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Client: Ramboll

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Client Project: COF-25Q1

Report Date: 14-Mar-25

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Batch R360304 SampType: MS Units mg/L

SampID: 25020872-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.8	10.00	0.9260	98.5	80	120	02/13/2025
Chloride		5.00		287	200.0	76.58	105.2	80	120	02/13/2025
Sulfate		10.0		350	200.0	151.8	98.9	80	120	02/13/2025

Batch R360304 SampType: MSD Units mg/L

RPD Limit 15

SampID: 25020872-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.9	10.00	0.9260	99.2	10.78	0.69	02/13/2025
Chloride		5.00		289	200.0	76.58	106.1	286.9	0.64	02/13/2025
Sulfate		10.0		352	200.0	151.8	100.0	349.7	0.59	02/13/2025

Batch R361239 SampType: MBLK Units mg/L

SampID: MB-R361239

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		ND						03/05/2025
Chloride		0.50		ND						03/05/2025
Sulfate		1.00		ND						03/05/2025

Batch R361239 SampType: LCS Units mg/L

SampID: LCS-R361239

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		1.07	1.000	0	106.6	90	110	03/05/2025
Chloride		0.50		20.2	20.00	0	101.1	90	110	03/05/2025
Sulfate		1.00		18.9	20.00	0	94.5	90	110	03/05/2025

Batch R361239 SampType: MS Units mg/L

SampID: 25020519-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.0	10.00	0.3030	107.3	80	120	03/05/2025
Chloride		5.00		258	200.0	43.39	107.1	80	120	03/05/2025
Sulfate		10.0		256	200.0	58.09	99.2	80	120	03/05/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R361239		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25020519-014BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		11.0	10.00	0.3030	107.1	11.04	0.16	03/05/2025
Chloride		5.00		257	200.0	43.39	107.0	257.6	0.10	03/05/2025
Sulfate		10.0		256	200.0	58.09	99.0	256.4	0.11	03/05/2025

Batch R361239		SampType: MS		Units mg/L							
SampID: 25022021-003GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		100		4720	2000	2640	104.1	80	120	03/05/2025	

Batch R361239		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25022021-003GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			100		4740	2000	2640	105.2	4722	0.47	03/05/2025

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359867		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	0.0040	0	0	0	100	02/05/2025
Chloride		0.50		ND	0.1000	0	0	0	100	02/05/2025
Sulfate		1.00		ND	0.0990	0	0	0	100	02/05/2025

Batch R359867		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.98	1.000	0	97.6	90	110	02/05/2025
Chloride		0.50		19.5	20.00	0	97.7	90	110	02/05/2025
Sulfate		1.00		18.3	20.00	0	91.7	90	110	02/05/2025

Batch R359867		SampType: MS		Units mg/L						
SampID: 25020211-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.72	10.00	0	97.2	80	120	02/05/2025
Chloride		5.00		197	200.0	3.357	96.6	80	120	02/05/2025
Sulfate		10.0		182	200.0	2.563	89.7	80	120	02/05/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359867		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25020211-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.74	10.00	0	97.4	9.723	0.23	02/05/2025
Chloride		5.00		196	200.0	3.357	96.3	196.6	0.36	02/05/2025
Sulfate		10.0		181	200.0	2.563	89.4	182.0	0.36	02/05/2025

Batch R359867		SampType: MS		Units mg/L						
SampID: 25020221-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.78	10.00	0.1710	96.0	80	120	02/05/2025
Chloride		5.00		458	200.0	241.8	107.9	80	120	02/05/2025
Sulfate		10.0		2160	200.0	1955	101.6	80	120	02/05/2025

Batch R359867		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25020221-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.89	10.00	0.1710	97.2	9.776	1.20	02/05/2025
Chloride			5.00		461	200.0	241.8	109.5	457.7	0.68	02/05/2025
Sulfate			10.0		2160	200.0	1955	104.4	2158	0.27	02/05/2025

Batch R359867		SampType: MS		Units mg/L						
SampID: 25020283-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		5.00		130	100.0	30.16	100.3	80	120	02/05/2025
Chloride		50.0		12800	2000	10900	97.0	80	120	02/05/2025
Sulfate		100		6670	2000	4560	105.4	80	120	02/05/2025

Batch R359867		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25020283-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		5.00		133	100.0	30.16	102.5	130.5	1.63	02/05/2025
Chloride		50.0		13300	2000	10900	118.1	12840	3.23	02/05/2025
Sulfate		100		6890	2000	4560	116.3	6669	3.21	02/05/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359867		SampType: DUP		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24121807-018ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50	J	0.35				0.3550	0.00		
Chloride		5.00		238				234.4	1.62		
Sulfate		10.0		ND				0	0.00		

Batch R359889		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	0.0040	0	0	0	100	02/06/2025
Chloride		0.50		ND	0.1000	0	0	0	100	02/06/2025
Sulfate		1.00		ND	0.0990	0	0	0	100	02/06/2025

Batch R359889		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		1.04	1.000	0	103.7	90	110	02/06/2025
Chloride		0.50		19.6	20.00	0	97.9	90	110	02/06/2025
Sulfate		1.00		18.5	20.00	0	92.5	90	110	02/06/2025

Batch R359889		SampType: MS		Units mg/L						
SampID: 25011232-006AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.99	10.00	0	99.9	80	120	02/06/2025
Chloride		5.00		250	200.0	55.30	97.2	80	120	02/06/2025
Sulfate		10.0		258	200.0	77.26	90.4	80	120	02/06/2025

Batch R359889		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25011232-006AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.1	10.00	0	100.5	9.992	0.60	02/06/2025
Chloride		5.00		251	200.0	55.30	97.7	249.7	0.38	02/06/2025
Sulfate		10.0		259	200.0	77.26	91.1	258.2	0.47	02/06/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359889		SampType: MS		Units mg/L						
SampID: 25011232-008AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.3	10.00	0.4080	98.5	80	120	02/06/2025
Chloride		5.00		246	200.0	51.37	97.3	80	120	02/06/2025
Sulfate		10.0		287	200.0	103.1	91.9	80	120	02/06/2025

Batch R359889		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011232-008AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.3	10.00	0.4080	98.5	10.26	0.02	02/06/2025
Chloride			5.00		247	200.0	51.37	97.6	246.0	0.23	02/06/2025
Sulfate			10.0		287	200.0	103.1	92.1	286.9	0.12	02/06/2025

Batch R359889		SampType: MS		Units mg/L						
SampID: 25011232-012AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.1	10.00	0.2520	98.5	80	120	02/07/2025
Chloride		5.00		244	200.0	51.24	96.4	80	120	02/07/2025
Sulfate		10.0		268	200.0	86.64	90.5	80	120	02/07/2025

Batch R359889		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011232-012AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.1	10.00	0.2520	98.5	10.10	0.04	02/07/2025
Chloride			5.00		245	200.0	51.24	96.9	244.0	0.44	02/07/2025
Sulfate			10.0		268	200.0	86.64	90.9	267.5	0.31	02/07/2025

Batch R359889		SampType: MS		Units mg/L						
SampID: 25011232-037AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.2	10.00	0.2670	99.5	80	120	02/06/2025
Chloride		5.00		276	200.0	77.18	99.2	80	120	02/06/2025
Sulfate		10.0		390	200.0	199.6	95.2	80	120	02/06/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359889		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25011232-037AMSD										
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	98.8	10.22	0.64	02/06/2025
Chloride		5.00		275	200.0	77.18	99.1	275.7	0.09	02/06/2025
Sulfate		10.0		389	200.0	199.6	94.8	389.9	0.20	02/06/2025

Batch R359889		SampType: MS		Units mg/L						
SampID: 25011232-086AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.2	10.00	0.2990	98.7	80	120	02/06/2025
Chloride		5.00		245	200.0	50.93	96.9	80	120	02/06/2025
Sulfate		10.0		248	200.0	68.14	89.9	80	120	02/06/2025

Batch R359889		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25011232-086AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.2	10.00	0.2990	99.2	10.17	0.48	02/06/2025
Chloride		5.00		246	200.0	50.93	97.5	244.7	0.51	02/06/2025
Sulfate		10.0		249	200.0	68.14	90.5	247.9	0.53	02/06/2025

Batch R359889		SampType: MS		Units mg/L						
SampID: 25011232-091AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.4	10.00	0.4600	99.7	80	120	02/06/2025
Chloride		5.00		226	200.0	34.40	96.0	80	120	02/06/2025
Sulfate		10.0		250	200.0	68.72	90.7	80	120	02/06/2025

Batch R359889		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25011232-091AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.4	10.00	0.4600	99.4	10.43	0.26	02/06/2025
Chloride		5.00		226	200.0	34.40	95.8	226.5	0.18	02/06/2025
Sulfate		10.0		250	200.0	68.72	90.6	250.1	0.10	02/06/2025

Batch R359889		SampType: MS		Units mg/L							
SampID: 25012094-002AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		50.0		3260	2000	1276	99.2	80	120	02/06/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R359889		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25012094-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			50.0		3290	2000	1276	100.9	3260	1.04	02/06/2025

Batch R359889		SampType: MS		Units mg/L						
SampID: 25020439-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		12.5	10.00	2.478	100.4	80	120	02/07/2025
Chloride		5.00		310	200.0	105.9	102.1	80	120	02/07/2025
Sulfate		10.0		238	200.0	56.47	90.7	80	120	02/07/2025

Batch R359889		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25020439-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		12.5	10.00	2.478	99.9	12.52	0.37	02/07/2025
Chloride		5.00		309	200.0	105.9	101.7	310.2	0.25	02/07/2025
Sulfate		10.0		238	200.0	56.47	90.6	237.8	0.07	02/07/2025

Batch R360088		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.05		ND	0.0040	0	0	0	100		
Chloride		0.50		ND	0.1000	0	0	0	100		
Sulfate		1.00		ND	0.0990	0	0	0	100		

Batch R360088		SampType: MBLK		Units mg/L							
SampID: MBLK-234528											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride	*	0.05		ND						02/11/2025	
Chloride	*	0.50		ND						02/11/2025	
Sulfate	*	1.00	J	0.20						02/11/2025	

Batch R360088		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.94	1.000	0	93.5	90	110	02/10/2025
Chloride		0.50		19.7	20.00	0	98.4	90	110	02/10/2025
Sulfate		1.00		18.7	20.00	0	93.4	90	110	02/10/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R360088		SampType: MS		Units mg/L						
SampID: 25011232-041AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.55	10.00	0	95.5	80	120	02/10/2025
Chloride		5.00		351	200.0	140.2	105.2	80	120	02/10/2025
Sulfate		10.0		734	200.0	534.8	99.4	80	120	02/10/2025

Batch R360088		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 25011232-041AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.64	10.00	0	96.4	9.547	0.95	
Chloride			5.00		352	200.0	140.2	106.1	350.6	0.51	
Sulfate			10.0		734	200.0	534.8	99.7	733.7	0.06	

Batch R360088		SampType: MS		Units mg/L						
SampID: 25011232-069AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.02	10.00	0	90.2	80	120	02/11/2025
Chloride		5.00		229	200.0	29.08	100.1	80	120	02/11/2025
Sulfate		10.0		2390	200.0	2194	96.0	80	120	02/11/2025

Batch R360088		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011232-069AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.11	10.00	0	91.1	9.016	0.99	02/11/2025
Chloride			5.00		232	200.0	29.08	101.3	229.3	0.99	02/11/2025
Sulfate			10.0		2380	200.0	2194	94.1	2386	0.15	02/11/2025

Batch R360088		SampType: MS		Units mg/L						
SampID: 25011232-105AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.54	10.00	0	95.4	80	120	02/11/2025
Chloride		5.00		329	200.0	116.8	106.1	80	120	02/11/2025
Sulfate		10.0		220	200.0	33.77	93.2	80	120	02/11/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R360088		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25011232-105AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.60	10.00	0	96.0	9.541	0.61	02/11/2025
Chloride		5.00		328	200.0	116.8	105.8	329.0	0.20	02/11/2025
Sulfate		10.0		222	200.0	33.77	94.0	220.1	0.79	02/11/2025

Batch R360088		SampType: MS		Units mg/L						
SampID: 25020510-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.06		1.07	1.100	0.1109	86.9	80	120	02/11/2025
Chloride		0.55		37.2	22.00	15.72	97.7	80	120	02/11/2025
Sulfate		1.10		87.6	22.00	66.53	95.7	80	120	02/11/2025

Batch R360088		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 25020510-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.06		1.07	1.100	0.1109	87.5	1.067	0.64	
Chloride			0.55		37.4	22.00	15.72	98.4	37.21	0.45	
Sulfate			1.10		87.6	22.00	66.53	96.0	87.60	0.05	

Batch R360088		SampType: MS		Units mg/L							
SampID: 25020609-003AMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride			0.06		4.85	1.100	3.842	91.3	80	120	02/11/2025
Sulfate			1.10		21.2	22.00	2.442	85.1	80	120	02/11/2025

Batch R360088		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 25020609-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.06		4.83	1.100	3.842	89.9	4.846	0.31	02/11/2025
Sulfate			1.10		21.2	22.00	2.442	85.2	21.17	0.14	02/11/2025

Batch R360088		SampType: MS		Units mg/L						
SampID: 25020727-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		1.91	2.000	0.1236	89.3	80	120	02/11/2025
Chloride		1.00		47.6	40.00	7.527	100.1	80	120	02/11/2025
Sulfate		2.00		365	40.00	328.2	91.4	80	120	02/11/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R360088		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25020727-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		1.91	2.000	0.1236	89.2	1.910	0.05	02/11/2025
Chloride		1.00		47.8	40.00	7.527	100.8	47.55	0.62	02/11/2025
Sulfate		2.00		365	40.00	328.2	91.6	364.8	0.01	02/11/2025

Batch R360088		SampType: MS		Units mg/L						
SampID: 25020731-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.05	10.00	0.06700	89.8	80	120	02/11/2025
Chloride		5.00		201	200.0	7.797	96.5	80	120	02/11/2025
Sulfate		10.0		487	200.0	295.5	95.8	80	120	02/11/2025

Batch R360088		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25020731-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.14	10.00	0.06700	90.7	9.049	0.98	02/11/2025
Chloride			5.00		202	200.0	7.797	97.3	200.8	0.76	02/11/2025
Sulfate			10.0		496	200.0	295.5	100.2	487.2	1.76	02/11/2025

Batch R360177		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.05		ND	0.0040	0	0	0	100	02/12/2025	
Chloride		0.50		ND	0.1000	0	0	0	100	02/12/2025	
Sulfate		1.00		ND	0.0990	0	0	0	100	02/12/2025	

Batch R360177		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		0.92	1.000	0	91.6	90	110	02/12/2025
Chloride		0.50		19.6	20.00	0	98.0	90	110	02/12/2025
Sulfate		1.00		18.7	20.00	0	93.6	90	110	02/12/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R360177		SampType: MS		Units mg/L						
SampID: 25011232-062AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.14	10.00	0	91.4	80	120	02/12/2025
Chloride		5.00		194	200.0	1.865	96.2	80	120	02/12/2025
Sulfate		10.0		310	200.0	116.1	96.7	80	120	02/12/2025

Batch R360177		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25011232-062AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.17	10.00	0	91.7	9.136	0.40	02/12/2025
Chloride			5.00		195	200.0	1.865	96.6	194.3	0.38	02/12/2025
Sulfate			10.0		309	200.0	116.1	96.2	309.6	0.33	02/12/2025

Batch R360177		SampType: MS		Units mg/L						
SampID: 25011232-100AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.40	10.00	0.2320	91.7	80	120	02/12/2025
Chloride		5.00		312	200.0	102.7	104.5	80	120	02/12/2025
Sulfate		10.0		434	200.0	234.9	99.7	80	120	02/12/2025

Batch R360177		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 25011232-100AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.46	10.00	0.2320	92.3	9.402	0.66	
Chloride			5.00		311	200.0	102.7	103.9	311.7	0.38	
Sulfate			10.0		432	200.0	234.9	98.6	434.3	0.52	

Batch R360177		SampType: MS		Units mg/L						
SampID: 25020296-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		1.00		20.6	20.00	2.122	92.2	80	120	02/12/2025
Chloride		10.0		513	400.0	103.4	102.4	80	120	02/12/2025
Sulfate		20.0		673	400.0	274.4	99.6	80	120	02/12/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R360177		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 25020296-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		1.00		20.6	20.00	2.122	92.3	20.55	0.12	02/12/2025	
Chloride		10.0		512	400.0	103.4	102.2	512.9	0.12	02/12/2025	
Sulfate		20.0		671	400.0	274.4	99.2	672.8	0.23	02/12/2025	

Batch R360304		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.05		ND	0.0040	0	0	0	100	02/13/2025	
Chloride		0.50		ND	0.1000	0	0	0	100	02/13/2025	
Sulfate		1.00		ND	0.0990	0	0	0	100	02/13/2025	

Batch R360304		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.97	1.000	0	97.5	90	110	02/13/2025
Chloride		0.50		19.9	20.00	0	99.4	90	110	02/13/2025
Sulfate		1.00		18.6	20.00	0	92.9	90	110	02/13/2025

Batch R360304		SampType: MS		Units mg/L						
SampID: 25020667-006AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.51	10.00	0.3020	92.1	80	120	02/13/2025
Chloride		5.00		369	200.0	149.3	110.0	80	120	02/13/2025
Sulfate		10.0		283	200.0	91.08	96.1	80	120	02/13/2025

Batch R360304		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25020667-006AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.69	10.00	0.3020	93.9	9.514	1.85	02/13/2025
Chloride			5.00		372	200.0	149.3	111.4	369.2	0.77	02/13/2025
Sulfate			10.0		286	200.0	91.08	97.3	283.2	0.84	02/13/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R360304		SampType: MS		Units mg/L						
SampID: 25020740-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		5.00		574	100.0	470.2	103.9	80	120	02/13/2025
Chloride		50.0		2140	2000	103.6	101.8	80	120	02/13/2025
Sulfate		100		2200	2000	191.7	100.2	80	120	02/13/2025

Batch R360304		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 25020740-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			5.00		569	100.0	470.2	98.8	574.2	0.90	
Chloride			50.0		2140	2000	103.6	101.9	2139	0.13	
Sulfate			100		2200	2000	191.7	100.6	2195	0.37	

Batch R360304		SampType: MS		Units mg/L						
SampID: 25020795-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.6	10.00	1.167	94.2	80	120	02/13/2025
Chloride		5.00		792	200.0	579.7	106.2	80	120	02/13/2025
Sulfate		10.0		2060	200.0	1878	93.0	80	120	02/13/2025

Batch R360304		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 25020795-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.8	10.00	1.167	96.2	10.59	1.83	02/13/2025
Chloride			5.00		794	200.0	579.7	106.9	792.0	0.19	02/13/2025
Sulfate			10.0		2060	200.0	1878	92.5	2064	0.04	02/13/2025

Batch R360304		SampType: MS		Units mg/L						
SampID: 25020804-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.3	10.00	0.4540	98.5	80	120	02/13/2025
Chloride		5.00		309	200.0	96.81	106.3	80	120	02/13/2025
Sulfate		10.0		1320	200.0	1124	99.8	80	120	02/13/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R360304		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25020804-003AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.4	10.00	0.4540	99.4	10.31	0.83	02/13/2025
Chloride		5.00		312	200.0	96.81	107.7	309.5	0.88	02/13/2025
Sulfate		10.0		1330	200.0	1124	103.4	1323	0.55	02/13/2025

Batch R360304		SampType: MS		Units mg/L						
SampID: 25020861-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		5.00		99.3	100.0	0	99.3	80	120	02/13/2025
Chloride		50.0		3870	2000	1757	105.7	80	120	02/13/2025
Sulfate		100		5150	2000	3230	96.0	80	120	02/13/2025

Batch R360304		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25020861-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		5.00		98.8	100.0	0	98.8	99.33	0.50	02/13/2025
Chloride		50.0		3940	2000	1757	109.3	3872	1.83	02/13/2025
Sulfate		100		5300	2000	3230	103.6	5150	2.89	02/13/2025

Batch R361019		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.05		ND	0.0040	0	0	0	100	03/01/2025	
Chloride		0.50		ND	0.1000	0	0	0	100	03/01/2025	
Sulfate		1.00		ND	0.0990	0	0	0	100	03/01/2025	

Batch R361019		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	99.4	90	110	03/01/2025
Chloride		0.50		19.9	20.00	0	99.6	90	110	03/01/2025
Sulfate		1.00		18.8	20.00	0	94.1	90	110	03/01/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R361019		SampType: MS		Units mg/L						
SampID: 25022037-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.5	10.00	0.2350	102.4	80	120	03/01/2025
Chloride		5.00		220	200.0	18.17	100.9	80	120	03/01/2025
Sulfate		10.0		446	200.0	238.9	103.5	80	120	03/01/2025

Batch R361019		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 25022037-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.5	10.00	0.2350	102.5	10.48	0.07	03/01/2025
Chloride			5.00		220	200.0	18.17	100.8	219.9	0.05	03/01/2025
Sulfate			10.0		446	200.0	238.9	103.4	445.9	0.03	03/01/2025

Batch R361239		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	0.0040	0	0	0	100	03/05/2025
Chloride		0.50		ND	0.1000	0	0	0	100	03/05/2025
Sulfate		1.00		ND	0.0990	0	0	0	100	03/05/2025

Batch R361239		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		1.07	1.000	0	106.6	90	110	03/05/2025
Chloride		0.50		20.2	20.00	0	101.1	90	110	03/05/2025
Sulfate		1.00		18.9	20.00	0	94.5	90	110	03/05/2025

Batch R361239		SampType: MS		Units mg/L						
SampID: 25022057-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.6	10.00	0.4010	112.0	80	120	03/05/2025
Chloride		5.00		1470	200.0	1308	82.2	80	120	03/05/2025
Sulfate		10.0		195	200.0	1.458	97.0	80	120	03/05/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R361239		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 25022057-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		11.5	10.00	0.4010	111.1	11.60	0.83	03/05/2025
Chloride		5.00		1520	200.0	1308	105.7	1472	3.14	03/05/2025
Sulfate		10.0		196	200.0	1.458	97.4	195.4	0.47	03/05/2025

Batch R361239		SampType: MS		Units mg/L						
SampID: 25022118-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.2	10.00	0.5310	106.4	80	120	03/05/2025
Chloride		5.00		293	200.0	75.36	108.7	80	120	03/05/2025
Sulfate		10.0		254	200.0	56.81	98.6	80	120	03/05/2025

Batch R361239		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25022118-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		11.2	10.00	0.5310	106.9	11.17	0.49	03/05/2025
Chloride			5.00		293	200.0	75.36	108.7	292.7	0.02	03/05/2025
Sulfate			10.0		254	200.0	56.81	98.6	254.0	0.04	03/05/2025

Batch R361239		SampType: MS		Units mg/L						
SampID: 25030040-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.0	10.00	0.1740	108.2	80	120	03/05/2025
Chloride		5.00		479	200.0	250.7	113.9	80	120	03/05/2025
Sulfate		10.0	S	2010	200.0	1846	79.6	80	120	03/05/2025

Batch R361239		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25030040-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		11.0	10.00	0.1740	108.5	11.00	0.21	03/05/2025
Chloride			5.00		478	200.0	250.7	113.6	478.5	0.15	03/05/2025
Sulfate			10.0	S	2000	200.0	1846	76.5	2005	0.31	03/05/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW-846 9066 (TOTAL)

Batch R360031		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	02/07/2025	

Batch R360031		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		0.048	0.0500	0	95.2	90	110	02/07/2025	

Batch R360031		SampType: MS		Units µg/L							
SampID: 25011232-086FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		51	50.00	0	101.4	85	115	02/07/2025	

Batch R360031		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25011232-086FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		5		51	50.00	0	101.3	50.70	0.06	02/07/2025	

Batch R360031		SampType: MS		Units mg/L							
SampID: 25020558-001GMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.005	S	0.082	0.0500	0.02462	115.5	90	110	02/07/2025	

Batch R360031		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25020558-001GMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005		0.079	0.0500	0.02462	108.6	0.08239	4.33	02/07/2025	

Batch R360112		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	02/10/2025	

Batch R360112		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		0.051	0.0500	0	102.1	90	110	02/10/2025	



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

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Batch R360112		SampType: MS		Units µg/L							
SampID: 25011232-049FMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		5		49	50.00	0	98.4	85	115	02/10/2025	

Batch R360112		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed	
SampID: 25011232-049FMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Phenols			5		51	50.00	0	101.4	49.20	2.96	02/10/2025	

Batch R360135		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols			0.005		< 0.005	0.0028	0	0	-100	100	02/11/2025

Batch R360135		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.051	0.0500	0	101.3	90	110	02/11/2025	

Batch R360135		SampType: MS		Units µg/L							
SampID: 25011232-053FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		59	50.00	7.330	102.7	85	115	02/11/2025	

Batch R360135		SampType: MSD		Units µg/L		RPD Limit 15					
SampID: 25011232-053FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		58	50.00	7.330	102.1	58.68	0.48	02/11/2025

Batch R360135		SampType: MS		Units mg/L							
SampID: 25020718-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.057	0.0500	0.004260	106.5	90	110	02/11/2025	

Batch R360135		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25020718-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.057	0.0500	0.004260	106.1	0.05749	0.30	02/11/2025



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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Batch R360135		SampType: MS		Units mg/L						
SampID: 25020727-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		0.054	0.0500	0	107.9	90	110	02/11/2025

Batch R360135		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 25020727-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Phenols			0.005		0.052	0.0500	0	103.6	0.05397	4.10	02/11/2025

Batch R360329		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols			0.005		< 0.005	0.0028	0	0	-100	100	02/14/2025

Batch R360329		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.054	0.0500	0	107.3	90	110	02/14/2025	

Batch R360329		SampType: MS		Units µg/L							
SampID: 25020756-003GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		55	50.00	0	109.6	85	115	02/14/2025	

Batch R360329		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25020756-003GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5	SR	76	50.00	0	152.7	54.81	32.83	02/14/2025

Batch R360329		SampType: MS		Units mg/L							
SampID: 25020896-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005	S	0.060	0.0500	0	119.8	90	110	02/14/2025	

Batch R360329		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25020896-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005	S	0.056	0.0500	0	112.9	0.05992	5.98	02/14/2025	



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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Batch R360329		SampType: MS		Units mg/L						
SampID: 25020897-001GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		0.058	0.0500	0.004170	106.9	90	110	02/14/2025

Batch R360329		SampType: MSD		Units mg/L				RPD Limit 15				
SampID: 25020897-001GMSD												Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Phenols			0.005	S	0.062	0.0500	0.004170	115.5	0.05761	7.20	02/14/2025	

Batch R360425		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	02/17/2025	

Batch R360425		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		0.053	0.0500	0	106.8	90	110	02/17/2025	

Batch R360425		SampType: MS		Units µg/L							
SampID: 25020872-001FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		58	50.00	13.69	89.1	85	115	02/17/2025	

Batch R360425		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25020872-001FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		64	50.00	13.69	100.8	58.25	9.56	02/17/2025

Batch R360425		SampType: MS		Units µg/L							
SampID: 25021056-004HMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5	S	58	50.00	0	116.8	85	115	02/17/2025	

Batch R360425		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25021056-004HMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		5	S	59	50.00	0	117.6	58.40	0.70	02/17/2025	



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

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Batch R360425		SampType: MS		Units mg/L							Date
SampID: 25021095-002BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005	S	0.060	0.0500	0.004250	111.1	90	110	02/17/2025	

Batch R360425		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25021095-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.058	0.0500	0.004250	108.1	0.05981	2.52	02/17/2025

Batch R361495		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	03/10/2025	

Batch R361495		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.051	0.0500	0	102.9	90	110	03/10/2025	

Batch R361495		SampType: MS		Units mg/L							Date
SampID: 25030487-001GMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.051	0.0500	0	102.3	90	110	03/10/2025	

Batch R361495		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25030487-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.054	0.0500	0	108.4	0.05116	5.77	03/10/2025

Batch R361495		SampType: MS		Units mg/L							Date
SampID: 25030557-001EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.053	0.0500	0	106.1	90	110	03/10/2025	

Batch R361495		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25030557-001EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005		0.050	0.0500	0	100.8	0.05305	5.12	03/10/2025	



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Work Order: 25011232

Client Project: COF-25Q1

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Batch R361495		SampType: MS		Units mg/L							
SampID: 25030590-001GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.052	0.0500	0	104.6	90	110	03/10/2025	

Batch R361495		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25030590-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.052	0.0500	0	103.1	0.05232	1.44	03/10/2025

Batch R361495		SampType: MS		Units mg/L							
SampID: 25030703-001GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005	S	0.055	0.0500	0	110.3	90	110	03/10/2025	

Batch R361495		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 25030703-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.053	0.0500	0	105.4	0.05515	4.51	03/10/2025

Batch R361495		SampType: MS		Units mg/L							
SampID: 25030738-002BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.054	0.0500	0	107.8	90	110	03/10/2025	

Batch R361495		SampType: MSD		Units mg/L				RPD Limit 15				Date Analyzed
SampID: 25030738-002BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Phenols			0.005		0.048	0.0500	0	96.6	0.05389	10.96	03/10/2025	

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

Batch 234445		SampType: MBLK		Units mg/L						
SampID: MBLK-234445										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/17/2025
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	02/17/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/17/2025
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	02/17/2025



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Client: Ramboll

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

Batch 234445 SampType: LCS Units mg/L

SampID: LCS-234445

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.65	5.000	0	93.1	85	115	02/17/2025
Magnesium		0.050		4.39	5.000	0	87.8	85	115	02/17/2025
Potassium		0.100		4.91	5.000	0	98.2	85	115	02/17/2025
Sodium		0.050		4.79	5.000	0	95.9	85	115	02/17/2025

Batch 234445 SampType: MS Units mg/L

SampID: 25011232-011CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	105	5.000	104.8	8.4	75	125	02/17/2025
Magnesium		0.050	S	42.8	5.000	40.18	52.3	75	125	02/17/2025
Potassium		0.100		5.60	5.000	0.8900	94.2	75	125	02/17/2025
Sodium		0.050	S	56.6	5.000	54.03	50.8	75	125	02/17/2025

Batch 234445 SampType: MSD Units mg/L

RPD Limit 20

SampID: 25011232-011CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	105	5.000	104.8	5.0	105.2	0.16	02/17/2025
Magnesium		0.050	S	42.8	5.000	40.18	53.0	42.79	0.09	02/17/2025
Potassium		0.100		5.71	5.000	0.8900	96.4	5.599	2.01	02/17/2025
Sodium		0.050	S	56.4	5.000	54.03	47.0	56.57	0.34	02/17/2025

Batch 234445 SampType: MS Units mg/L

SampID: 25011232-019CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	86.5	5.000	84.76	34.4	75	125	02/17/2025
Magnesium		0.050	S	42.2	5.000	39.16	61.3	75	125	02/17/2025
Potassium		0.100		5.44	5.000	0.4628	99.5	75	125	02/17/2025
Sodium		0.050	S	57.4	5.000	54.77	52.6	75	125	02/17/2025

Batch 234445 SampType: MSD Units mg/L

RPD Limit 20

SampID: 25011232-019CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	85.8	5.000	84.76	20.0	86.48	0.84	02/17/2025
Magnesium		0.050	S	41.6	5.000	39.16	49.5	42.22	1.41	02/17/2025
Potassium		0.100		5.34	5.000	0.4628	97.5	5.438	1.87	02/17/2025
Sodium		0.050	S	57.0	5.000	54.77	44.6	57.40	0.70	02/17/2025



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234446 SampType: MBLK Units mg/L
SampID: MBLK-234446

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/17/2025
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	02/17/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/17/2025
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	02/17/2025

Batch 234446 SampType: LCS Units mg/L
SampID: LCS-234446

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.44	5.000	0	88.9	85	115	02/17/2025
Magnesium		0.050		2.30	2.500	0	91.8	85	115	02/17/2025
Potassium		0.100		4.70	5.000	0	94.1	85	115	02/17/2025
Sodium		0.050		4.57	5.000	0	91.4	85	115	02/17/2025

Batch 234446 SampType: MS Units mg/L
SampID: 25011232-106DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	66.7	5.000	63.96	54.6	75	125	02/17/2025
Magnesium		0.050	S	34.0	5.000	30.48	70.2	75	125	02/17/2025
Potassium		0.100		5.40	5.000	0.5404	97.2	75	125	02/17/2025
Sodium		0.050	S	61.2	5.000	58.68	51.4	75	125	02/17/2025

Batch 234446 SampType: MSD Units mg/L
SampID: 25011232-106DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	65.9	5.000	63.96	38.2	66.69	1.24	02/17/2025
Magnesium		0.050	S	33.5	5.000	30.48	60.2	33.99	1.48	02/17/2025
Potassium		0.100		5.33	5.000	0.5404	95.8	5.399	1.31	02/17/2025
Sodium		0.050	S	60.6	5.000	58.68	39.0	61.25	1.02	02/17/2025

Batch 234484 SampType: MBLK Units mg/L
SampID: MBLK-234484

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/17/2025
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	02/17/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/17/2025
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	02/17/2025



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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234484 SampType: LCS Units mg/L

SampID: LCS-234484

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.68	5.000	0	93.5	85	115	02/17/2025
Magnesium		0.050		4.39	5.000	0	87.8	85	115	02/17/2025
Potassium		0.100		4.91	5.000	0	98.2	85	115	02/17/2025
Sodium		0.050		4.79	5.000	0	95.7	85	115	02/17/2025

Batch 234486 SampType: MBLK Units mg/L

SampID: MBLK-234486

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/17/2025
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	02/17/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/17/2025
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	02/17/2025

Batch 234486 SampType: LCS Units mg/L

SampID: LCS-234486

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.78	5.000	0	95.6	85	115	02/17/2025
Magnesium		0.050		4.49	5.000	0	89.7	85	115	02/17/2025
Potassium		0.100		4.97	5.000	0	99.5	85	115	02/17/2025
Sodium		0.050		4.86	5.000	0	97.3	85	115	02/17/2025

Batch 234751 SampType: MBLK Units mg/L

SampID: MBLK-234751

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/13/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/13/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/13/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/13/2025

Batch 234751 SampType: LCS Units mg/L

SampID: LCS-234751

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.81	5.000	0	96.1	85	115	02/13/2025
Magnesium		0.0500		4.60	5.000	0	92.0	85	115	02/14/2025
Potassium		0.100		5.22	5.000	0	104.3	85	115	02/13/2025
Sodium		0.0500		5.10	5.000	0	102.0	85	115	02/13/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 235145 SampType: MBLK Units mg/L

SampID: MBLK-235145

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/24/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/24/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/24/2025

Batch 235145 SampType: LCS Units mg/L

SampID: LCS-235145

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.71	5.000	0	94.3	85	115	02/24/2025
Magnesium		0.0500		4.34	5.000	0	86.9	85	115	02/24/2025
Potassium		0.100		4.98	5.000	0	99.6	85	115	02/24/2025

Batch 235145 SampType: MS Units mg/L

SampID: 25020748-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	64.9	5.000	62.55	46.7	75	125	02/24/2025

Batch 235145 SampType: MSD Units mg/L

RPD Limit 20

SampID: 25020748-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050	S	64.5	5.000	62.55	39.7	64.88	0.54	02/24/2025

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

Batch 234361 SampType: MBLK Units mg/L

SampID: MBLK-234361

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/07/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/07/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/07/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/07/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234361 SampType: LCS Units mg/L

SampID: LCS-234361

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.94	5.000	0	98.8	85	115	02/07/2025
Magnesium		0.0500		4.61	5.000	0	92.2	85	115	02/07/2025
Potassium		0.100		4.74	5.000	0	94.9	85	115	02/07/2025
Sodium		0.0500		4.89	5.000	0	97.8	85	115	02/07/2025

Batch 234430 SampType: MBLK Units mg/L

SampID: MBLK-234430

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/07/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/07/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/07/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/07/2025

Batch 234430 SampType: LCS Units mg/L

SampID: LCS-234430

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.24	5.000	0	104.8	85	115	02/07/2025
Magnesium		0.0500		4.91	5.000	0	98.1	85	115	02/07/2025
Potassium		0.100		5.01	5.000	0	100.2	85	115	02/07/2025
Sodium		0.0500		5.36	5.000	0	107.2	85	115	02/07/2025

Batch 234436 SampType: MBLK Units mg/L

SampID: MBLK-234436

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/07/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/07/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/07/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/07/2025

Batch 234436 SampType: LCS Units mg/L

SampID: LCS-234436

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.13	5.000	0	102.6	85	115	02/07/2025
Magnesium		0.0500		4.80	5.000	0	96.1	85	115	02/07/2025
Potassium		0.100		4.83	5.000	0	96.5	85	115	02/07/2025
Sodium		0.0500		5.15	5.000	0	103.0	85	115	02/07/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234436		SampType: MS		Units mg/L						
SampID: 25011232-036CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	82.2	5.000	74.71	150.0	75	125	02/07/2025
Magnesium		0.050		38.7	5.000	33.04	112.2	75	125	02/07/2025
Potassium		0.100		5.47	5.000	0.4781	99.8	75	125	02/07/2025
Sodium		0.050		45.1	5.000	39.23	118.0	75	125	02/07/2025

Batch	234436	SampType:	MSD	Units mg/L					RPD Limit		20
SampID: 25011232-036CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100		80.5	5.000	74.71	115.4	82.21	2.13	02/07/2025	
Magnesium		0.050		38.2	5.000	33.04	103.9	38.65	1.09	02/07/2025	
Potassium		0.100		5.36	5.000	0.4781	97.7	5.466	1.95	02/07/2025	
Sodium		0.050		44.0	5.000	39.23	94.6	45.13	2.63	02/07/2025	

Batch 234436		SampType: MS		Units mg/L						
SampID: 25011232-077BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	286	5.000	289.7	-67.4	75	125	02/07/2025
Magnesium		0.050	S	128	5.000	127.1	28.4	75	125	02/07/2025
Potassium		0.100		5.57	5.000	0.5273	100.8	75	125	02/07/2025
Sodium		0.050	S	123	5.000	121.0	49.2	75	125	02/07/2025

Batch	234436	SampType:	MSD	Units mg/L					RPD Limit		20
SampID: 25011232-077BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	266	5.000	289.7	-464.8	286.3	7.19	02/07/2025	
Magnesium		0.050	S	120	5.000	127.1	-150.2	128.5	7.20	02/07/2025	
Potassium		0.100		5.43	5.000	0.5273	98.1	5.566	2.40	02/07/2025	
Sodium		0.050	S	115	5.000	121.0	-128.0	123.5	7.44	02/07/2025	

Batch	234473	SampType:	MBLK	Units mg/L						
SampID:		MBLK-234473		Date Analyzed						
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/10/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/10/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/10/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/10/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234473 SampType: LCS Units mg/L

SampleID: LCS-234473

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.20	5.000	0	104.0	85	115	02/10/2025
Magnesium		0.0500		4.82	5.000	0	96.3	85	115	02/10/2025
Potassium		0.100		5.21	5.000	0	104.3	85	115	02/10/2025
Sodium		0.0500		5.15	5.000	0	103.0	85	115	02/10/2025

Batch 234473 SampType: MS Units mg/L

SampleID: 25011232-028CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		110	5.000	104.8	103.4	75	125	02/10/2025
Magnesium		0.050		46.3	5.000	41.57	95.2	75	125	02/10/2025
Potassium		0.100		6.35	5.000	0.7546	112.0	75	125	02/10/2025
Sodium		0.050		60.5	5.000	55.26	104.2	75	125	02/10/2025

Batch 234473 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 25011232-028CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	107	5.000	104.8	36.4	110.0	3.09	02/10/2025
Magnesium		0.050	S	45.2	5.000	41.57	72.4	46.33	2.49	02/10/2025
Potassium		0.100		6.22	5.000	0.7546	109.3	6.354	2.12	02/10/2025
Sodium		0.050		59.0	5.000	55.26	75.8	60.47	2.38	02/10/2025

Batch 234473 SampType: MS Units mg/L

SampleID: 25011232-105BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		88.1	5.000	84.35	75.4	75	125	02/10/2025

Batch 234473 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 25011232-105BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	88.1	5.000	84.35	74.8	88.12	0.03	02/10/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234533 SampType: MBLK Units mg/L

SampleID: MBLK-234533

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/10/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/10/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/10/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/10/2025

Batch 234533 SampType: LCS Units mg/L

SampleID: LCS-234533

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.65	5.000	0	93.0	85	115	02/10/2025
Magnesium		0.0500		4.73	5.000	0	94.7	85	115	02/10/2025
Potassium		0.100		5.52	5.000	0	110.4	85	115	02/10/2025
Sodium		0.0500		5.44	5.000	0	108.8	85	115	02/10/2025

Batch 234533 SampType: MS Units mg/L

SampleID: 25010617-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.0500	S	38.7	5.000	30.67	160.2	75	125	02/10/2025

Batch 234533 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 25010617-042BMDS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.0500	S	39.2	5.000	30.67	169.7	38.68	1.21	02/10/2025

Batch 234593 SampType: MBLK Units mg/L

SampleID: MBLK-234593

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/11/2025
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	02/11/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/11/2025
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	02/11/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234593 SampType: LCS Units mg/L

SampleID: LCS-234593

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.63	5.000	0	92.6	85	115	02/11/2025
Magnesium		0.050		4.52	5.000	0	90.5	85	115	02/11/2025
Potassium		0.100		4.87	5.000	0	97.4	85	115	02/11/2025
Sodium		0.050		4.84	5.000	0	96.8	85	115	02/11/2025

Batch 234593 SampType: MS Units mg/L

SampleID: 25011232-055BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	140	5.000	132.4	145.2	75	125	02/11/2025
Magnesium		0.050		70.8	5.000	64.74	120.3	75	125	02/11/2025
Potassium		0.100		6.20	5.000	1.132	101.4	75	125	02/11/2025
Sodium		0.050		58.7	5.000	52.75	119.4	75	125	02/11/2025

Batch 234593 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 25011232-055BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	135	5.000	132.4	45.8	139.7	3.62	02/11/2025
Magnesium		0.050	S	68.4	5.000	64.74	73.0	70.75	3.40	02/11/2025
Potassium		0.100		5.96	5.000	1.132	96.6	6.203	3.97	02/11/2025
Sodium		0.050	S	55.6	5.000	52.75	57.6	58.72	5.40	02/11/2025

Batch 234593 SampType: MS Units mg/L

SampleID: 25011232-073BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	269	5.000	254.2	301.2	75	125	02/11/2025
Magnesium		0.050	S	80.0	5.000	72.61	147.9	75	125	02/11/2025
Potassium		0.100		7.13	5.000	2.232	97.9	75	125	02/11/2025
Sodium		0.050	S	70.9	5.000	64.53	126.8	75	125	02/11/2025

Batch 234593 SampType: MSD Units mg/L

RPD Limit 20

SampleID: 25011232-073BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	272	5.000	254.2	363.6	269.2	1.15	02/11/2025
Magnesium		0.050	S	80.8	5.000	72.61	163.6	80.00	0.98	02/11/2025
Potassium		0.100		7.19	5.000	2.232	99.2	7.128	0.90	02/11/2025
Sodium		0.050	S	72.1	5.000	64.53	151.2	70.87	1.71	02/11/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234622 SampType: MBLK Units mg/L

SampID: MBLK-234622

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/12/2025
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/13/2025
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	02/13/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/12/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/13/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/12/2025
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	02/13/2025

Batch 234622 SampType: LCS Units mg/L

SampID: LCS-234622

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.94	5.000	0	98.8	85	115	02/13/2025
Calcium		0.100		4.80	5.000	0	96.0	85	115	02/12/2025
Magnesium		0.050		4.90	5.000	0	98.0	85	115	02/13/2025
Potassium		0.100		5.23	5.000	0	104.7	85	115	02/13/2025
Potassium		0.100		5.15	5.000	0	103.0	85	115	02/12/2025
Sodium		0.0500		5.20	5.000	0	103.9	85	115	02/12/2025
Sodium		0.050		5.32	5.000	0	106.3	85	115	02/13/2025

Batch 234691 SampType: MBLK Units mg/L

SampID: MBLK-234691

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/13/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/13/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/13/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/13/2025

Batch 234691 SampType: LCS Units mg/L

SampID: LCS-234691

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.25	5.000	0	105.0	85	115	02/13/2025
Magnesium		0.0500		4.80	5.000	0	96.1	85	115	02/13/2025
Potassium		0.100		5.46	5.000	0	109.1	85	115	02/13/2025
Sodium		0.0500		5.42	5.000	0	108.4	85	115	02/13/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234691 SampType: MS Units mg/L

SampID: 25011232-068BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	181	5.000	172.6	174.0	75	125	02/13/2025
Magnesium		0.050	S	92.8	5.000	85.52	145.1	75	125	02/13/2025
Potassium		0.100		6.29	5.000	0.9178	107.5	75	125	02/13/2025
Sodium		0.050	S	140	5.000	131.8	159.2	75	125	02/13/2025

Batch 234691 SampType: MSD Units mg/L

SampID: 25011232-068BMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	182	5.000	172.6	182.0	181.2	0.22	02/13/2025
Magnesium		0.050	S	93.1	5.000	85.52	150.7	92.78	0.30	02/13/2025
Potassium		0.100		6.25	5.000	0.9178	106.6	6.293	0.70	02/13/2025
Sodium		0.050	S	140	5.000	131.8	158.8	139.7	0.01	02/13/2025

Batch 234938 SampType: MBLK Units mg/L

SampID: MBLK-234938

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/19/2025
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/19/2025
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/19/2025
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/19/2025

Batch 234938 SampType: LCS Units mg/L

SampID: LCS-234938

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.42	5.000	0	108.4	85	115	02/19/2025
Magnesium		0.0500		4.85	5.000	0	97.0	85	115	02/19/2025
Potassium		0.100		5.42	5.000	0	108.3	85	115	02/19/2025
Sodium		0.0500		5.61	5.000	0	112.3	85	115	02/19/2025

Batch 234938 SampType: MS Units mg/L

SampID: 25010461-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050		24.1	5.000	18.31	115.0	75	125	02/19/2025
Potassium		0.100		7.75	5.000	2.353	108.0	75	125	02/19/2025
Sodium		0.050		9.74	5.000	4.106	112.7	75	125	02/19/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234938		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 25010461-003BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050		22.4	5.000	18.31	82.7	24.06	6.93	02/19/2025
Potassium		0.100		7.45	5.000	2.353	101.9	7.754	4.03	02/19/2025
Sodium		0.050		9.30	5.000	4.106	103.9	9.742	4.62	02/19/2025

Batch 235398		SampType: MBLK		Units mg/L							
SampID: MBLK-235398											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	03/03/2025	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	03/03/2025	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	03/03/2025	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	03/03/2025	

Batch 235398		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-235398											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		4.93	5.000	0	98.6	85	115	03/03/2025	
Magnesium		0.0500		4.56	5.000	0	91.1	85	115	03/03/2025	
Potassium		0.100		5.08	5.000	0	101.6	85	115	03/03/2025	
Sodium		0.0500		4.90	5.000	0	98.0	85	115	03/03/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234445		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-234445												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100			
Antimony		1.0		< 1.0	0.4500	0	0	-100	100			
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100			
Barium		1.0		< 1.0	0.7000	0	0	-100	100			
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100			
Boron		25.0		< 25.0	9.250	0	0	-100	100			
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100			
Chromium		1.5		< 1.5	0.7000	0	0	-100	100			
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100			
Copper		1.0		< 1.0	0.3000	0	0	-100	100			
Iron		25.0		< 25.0	11.50	0	0	-100	100			
Lead		1.0		< 1.0	0.6000	0	0	-100	100			
Manganese		2.0		< 2.0	0.7500	0	0	-100	100			
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100			
Nickel		1.0		< 1.0	0.4300	0	0	-100	100			
Selenium		1.0		< 1.0	0.6000	0	0	-100	100			
Silver		1.0		< 1.0	0.1000	0	0	-100	100			
Thallium		2.0		< 2.0	0.9500	0	0	-100	100			
Vanadium		5.0		< 5.0	5.000	0	0	-100	100			
Zinc		15.0		< 15.0	5.900	0	0	-100	100			



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234445		SampType: LCS		Units µg/L							
SampID: LCS-234445											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3690	4000	0	92.3	80	120	02/11/2025	
Antimony		1.0		872	1000	0	87.2	80	120	02/11/2025	
Arsenic		1.0		914	1000	0	91.4	80	120	02/11/2025	
Barium		1.0		3900	4000	0	97.4	80	120	02/11/2025	
Beryllium		1.0		91.1	100.0	0	91.1	80	120	02/11/2025	
Boron		25.0		969	1000	0	96.9	80	120	02/11/2025	
Cadmium		1.0		97.3	100.0	0	97.3	80	120	02/11/2025	
Chromium		1.5		363	400.0	0	90.8	80	120	02/11/2025	
Cobalt		1.0		934	1000	0	93.4	80	120	02/11/2025	
Copper		1.0		453	500.0	0	90.7	80	120	02/11/2025	
Iron		25.0		3680	4000	0	92.0	80	120	02/11/2025	
Lead		1.0		983	1000	0	98.3	80	120	02/11/2025	
Manganese		2.0		911	1000	0	91.1	80	120	02/11/2025	
Molybdenum		1.5		920	1000	0	92.0	80	120	02/11/2025	
Nickel		1.0		899	1000	0	89.9	80	120	02/11/2025	
Selenium		1.0		925	1000	0	92.5	80	120	02/11/2025	
Silver		1.0		102	100.0	0	102.1	80	120	02/11/2025	
Thallium		2.0		456	500.0	0	91.1	80	120	02/11/2025	
Vanadium		5.0		905	1000	0	90.5	80	120	02/11/2025	
Zinc		15.0		866	1000	0	86.6	80	120	02/11/2025	

Batch 234445		SampType: MS		Units µg/L						
SampID: 25011232-011CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		943	1000	0	94.3	75	125	02/13/2025
Arsenic		1.0		848	1000	0	84.8	75	125	02/13/2025
Barium		1.0		3710	4000	87.49	90.6	75	125	02/13/2025
Boron		25.0		912	1000	11.95	90.0	75	125	02/11/2025
Cadmium		1.0		92.1	100.0	0	92.1	75	125	02/13/2025
Chromium		1.5		339	400.0	0	84.7	75	125	02/11/2025
Cobalt		1.0		837	1000	0.2090	83.7	75	125	02/11/2025
Lead		1.0		903	1000	0	90.3	75	125	02/11/2025
Manganese		2.0		900	1000	73.24	82.6	75	125	02/11/2025
Zinc		15.0		805	1000	0	80.5	75	125	02/11/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch	234445	SampType:	MSD	Units µg/L				RPD Limit 20		
SampID: 25011232-011CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		923	1000	0	92.3	942.6	2.10	02/13/2025
Arsenic		1.0		827	1000	0	82.7	848.4	2.51	02/13/2025
Barium		1.0		3680	4000	87.49	89.9	3712	0.79	02/13/2025
Boron		25.0		912	1000	11.95	90.1	911.6	0.10	02/11/2025
Cadmium		1.0		89.6	100.0	0	89.6	92.06	2.70	02/13/2025
Chromium		1.5		341	400.0	0	85.3	338.9	0.69	02/11/2025
Cobalt		1.0		860	1000	0.2090	86.0	836.8	2.75	02/11/2025
Lead		1.0		956	1000	0	95.6	903.0	5.73	02/11/2025
Manganese		2.0		917	1000	73.24	84.4	899.6	1.94	02/11/2025
Zinc		15.0		816	1000	0	81.6	804.8	1.34	02/11/2025

Batch	234445	SampType:	MS	Units µg/L							
SampID: 25011232-019CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		1.0		1000	1000	0	100.1	75	125	02/13/2025	
Arsenic		1.0		878	1000	0	87.8	75	125	02/13/2025	
Barium		1.0		3930	4000	53.05	96.8	75	125	02/13/2025	
Boron		25.0		940	1000	0	94.0	75	125	02/11/2025	
Cadmium		1.0		96.7	100.0	0	96.7	75	125	02/13/2025	
Chromium		1.5		351	400.0	0	87.7	75	125	02/11/2025	
Cobalt		1.0		892	1000	0	89.2	75	125	02/11/2025	
Lead		1.0		945	1000	0	94.5	75	125	02/11/2025	
Manganese		2.0		879	1000	0	87.9	75	125	02/11/2025	
Zinc		15.0		849	1000	0	84.9	75	125	02/11/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234445		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 25011232-019CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		1030	1000	0	102.8	1001	2.69	02/13/2025
Arsenic		1.0		904	1000	0	90.4	877.8	2.98	02/13/2025
Barium		1.0		3930	4000	53.05	97.0	3925	0.16	02/13/2025
Boron		25.0		943	1000	0	94.3	940.3	0.26	02/11/2025
Cadmium		1.0		101	100.0	0	101.3	96.68	4.68	02/13/2025
Chromium		1.5		349	400.0	0	87.2	350.7	0.50	02/11/2025
Cobalt		1.0		870	1000	0	87.0	892.2	2.51	02/11/2025
Lead		1.0		934	1000	0	93.4	945.5	1.24	02/11/2025
Manganese		2.0		860	1000	0	86.0	879.3	2.25	02/11/2025
Zinc		15.0		813	1000	0	81.3	848.6	4.25	02/11/2025

Batch 234446		SampType: MBLK		Units µg/L						
SampID: MBLK-234446										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/11/2025
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/11/2025
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/11/2025
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/11/2025
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/11/2025
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/11/2025
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/11/2025
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/11/2025
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/11/2025
Copper		1.0	S	1.1	0.3000	0	351.8	-100	100	02/11/2025
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/13/2025
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/11/2025
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/11/2025
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/11/2025
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/11/2025
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/11/2025
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/11/2025
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/11/2025
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/11/2025
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/11/2025
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/11/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234446		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-234446											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3560	4000	0	89.0	80	120	02/11/2025	
Antimony		1.0		916	1000	0	91.6	80	120	02/12/2025	
Arsenic		1.0		848	1000	0	84.8	80	120	02/12/2025	
Barium		1.0		3560	4000	0	89.1	80	120	02/12/2025	
Beryllium		1.0		85.6	100.0	0	85.6	80	120	02/11/2025	
Boron		25.0		900	1000	0	90.0	80	120	02/11/2025	
Cadmium		1.0		92.7	100.0	0	92.7	80	120	02/12/2025	
Chromium		1.5		348	400.0	0	87.0	80	120	02/11/2025	
Cobalt		1.0		891	1000	0	89.1	80	120	02/11/2025	
Copper		1.0	B	438	500.0	0	87.7	80	120	02/11/2025	
Copper		1.0		460	500.0	0	92.0	80	120	02/13/2025	
Iron		25.0		3530	4000	0	88.2	80	120	02/11/2025	
Lead		1.0		923	1000	0	92.3	80	120	02/11/2025	
Manganese		2.0		872	1000	0	87.2	80	120	02/11/2025	
Molybdenum		1.5		855	1000	0	85.5	80	120	02/12/2025	
Nickel		1.0		870	1000	0	87.0	80	120	02/11/2025	
Selenium		1.0		837	1000	0	83.7	80	120	02/12/2025	
Silver		1.0		93.5	100.0	0	93.5	80	120	02/13/2025	
Thallium		2.0		442	500.0	0	88.4	80	120	02/11/2025	
Vanadium		5.0		878	1000	0	87.8	80	120	02/11/2025	
Zinc		15.0		847	1000	0	84.7	80	120	02/11/2025	

Batch 234446		SampType: MS		Units µg/L						
SampID: 25011232-048CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		25.0		7140	4000	3746	84.7	75	125	02/14/2025
Manganese		2.0		1300	1000	417.9	88.5	75	125	02/14/2025

Batch 234446		SampType: MSD	Units µg/L					RPD Limit 20			
SampID: 25011232-048CMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Iron			25.0		7130	4000	3746	84.7	7136	0.05	02/14/2025
Manganese			2.0		1320	1000	417.9	89.8	1303	0.97	02/14/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234446		SampType: MS		Units µg/L						
SampID: 25011232-106DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3360	4000	0	84.0	75	125	02/14/2025
Antimony		1.0		1010	1000	0	100.6	75	125	02/14/2025
Arsenic		1.0		925	1000	0	92.5	75	125	02/14/2025
Barium		1.0		3960	4000	52.43	97.6	75	125	02/14/2025
Beryllium		1.0		92.1	100.0	0	92.1	75	125	02/14/2025
Boron		25.0		947	1000	0	94.7	75	125	02/14/2025
Cadmium		1.0		97.2	100.0	0	97.2	75	125	02/14/2025
Chromium		1.5		358	400.0	2.162	89.0	75	125	02/14/2025
Cobalt		1.0		921	1000	0	92.1	75	125	02/14/2025
Copper		1.0		428	500.0	0	85.7	75	125	02/14/2025
Iron		25.0		3530	4000	0	88.2	75	125	02/14/2025
Lead		1.0		961	1000	0	96.1	75	125	02/14/2025
Manganese		2.0		885	1000	0	88.5	75	125	02/17/2025
Molybdenum		1.5		944	1000	2.194	94.2	75	125	02/14/2025
Nickel		1.0		854	1000	0	85.4	75	125	02/14/2025
Selenium		1.0		889	1000	3.744	88.5	75	125	02/17/2025
Silver		1.0		108	100.0	0	108.3	75	125	02/14/2025
Thallium		2.0		467	500.0	0	93.4	75	125	02/14/2025
Vanadium		5.0		881	1000	0	88.1	75	125	02/14/2025
Zinc		15.0		867	1000	0	86.7	75	125	02/14/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch	234446	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 25011232-106DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		3300	4000	0	82.4	3360	1.90	02/14/2025
Antimony			1.0		1030	1000	0	103.4	1006	2.69	02/14/2025
Arsenic			1.0		942	1000	0	94.2	924.8	1.89	02/14/2025
Barium			1.0		4020	4000	52.43	99.1	3957	1.48	02/14/2025
Beryllium			1.0		90.5	100.0	0	90.5	92.07	1.70	02/14/2025
Boron			25.0		959	1000	0	95.9	946.9	1.30	02/14/2025
Cadmium			1.0		101	100.0	0	100.9	97.25	3.68	02/14/2025
Chromium			1.5		354	400.0	2.162	87.9	358.1	1.20	02/14/2025
Cobalt			1.0		939	1000	0	93.9	921.3	1.85	02/14/2025
Copper			1.0		435	500.0	0	86.9	428.4	1.42	02/14/2025
Iron			25.0		3530	4000	0	88.3	3527	0.18	02/14/2025
Lead			1.0		956	1000	0	95.6	960.8	0.46	02/14/2025
Manganese			2.0		877	1000	0	87.7	884.9	0.87	02/17/2025
Molybdenum			1.5		956	1000	2.194	95.4	943.9	1.26	02/14/2025
Nickel			1.0		863	1000	0	86.3	854.3	1.06	02/14/2025
Selenium			1.0		891	1000	3.744	88.7	888.8	0.20	02/17/2025
Silver			1.0		110	100.0	0	110.1	108.3	1.64	02/14/2025
Thallium			2.0		466	500.0	0	93.1	467.1	0.31	02/14/2025
Vanadium			5.0		881	1000	0	88.1	881.2	0.05	02/14/2025
Zinc			15.0		872	1000	0	87.2	866.5	0.68	02/14/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234484		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-234484												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/12/2025		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/13/2025		
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/12/2025		
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/12/2025		
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/12/2025		
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/12/2025		
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/12/2025		
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/12/2025		
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/12/2025		
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/12/2025		
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/14/2025		
Iron		25.0	S	62.9	11.50	0	547.1	-100	100	02/13/2025		
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/12/2025		
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/12/2025		
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/12/2025		
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/12/2025		
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/12/2025		
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/13/2025		
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/12/2025		
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/12/2025		
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/12/2025		



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch	234484	SampType:	LCS	Units		µg/L					
SampID:		LCS-234484									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		25.0		3590	4000	0	89.6	80	120	02/12/2025	
Antimony		1.0		1060	1000	0	105.8	80	120	02/13/2025	
Arsenic		1.0		918	1000	0	91.8	80	120	02/12/2025	
Barium		1.0		3990	4000	0	99.7	80	120	02/12/2025	
Beryllium		1.0		88.9	100.0	0	88.9	80	120	02/12/2025	
Boron		25.0		891	1000	0	89.1	80	120	02/12/2025	
Cadmium		1.0		105	100.0	0	105.2	80	120	02/12/2025	
Chromium		1.5		367	400.0	0	91.9	80	120	02/12/2025	
Cobalt		1.0		957	1000	0	95.7	80	120	02/12/2025	
Copper		1.0		448	500.0	0	89.6	80	120	02/12/2025	
Iron		25.0	B	3830	4000	0	95.7	80	120	02/13/2025	
Lead		1.0		953	1000	0	95.3	80	120	02/12/2025	
Manganese		2.0		910	1000	0	91.0	80	120	02/12/2025	
Molybdenum		1.5		943	1000	0	94.3	80	120	02/12/2025	
Nickel		1.0		897	1000	0	89.7	80	120	02/12/2025	
Selenium		1.0		935	1000	0	93.5	80	120	02/12/2025	
Silver		1.0		94.4	100.0	0	94.4	80	120	02/13/2025	
Thallium		2.0		454	500.0	0	90.8	80	120	02/12/2025	
Vanadium		5.0		910	1000	0	91.0	80	120	02/12/2025	
Zinc		15.0		906	1000	0	90.6	80	120	02/12/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234484 SampType: MS

Units µg/L

SampleID: 25011232-030DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3540	4000	0	88.5	75	125	02/12/2025
Antimony		1.0		1100	1000	0	110.3	75	125	02/13/2025
Arsenic		1.0		943	1000	0	94.3	75	125	02/12/2025
Barium		1.0		4000	4000	91.99	97.8	75	125	02/12/2025
Beryllium		1.0		89.7	100.0	0	89.7	75	125	02/12/2025
Boron		25.0		915	1000	0	91.5	75	125	02/12/2025
Cadmium		1.0		99.6	100.0	0	99.6	75	125	02/12/2025
Chromium		1.5		376	400.0	0	93.9	75	125	02/12/2025
Cobalt		1.0		962	1000	0	96.2	75	125	02/12/2025
Copper		1.0		441	500.0	0.7801	88.1	75	125	02/12/2025
Iron		25.0	B	3820	4000	0	95.4	75	125	02/13/2025
Lead		1.0		938	1000	0	93.8	75	125	02/12/2025
Manganese		2.0		936	1000	9.439	92.6	75	125	02/12/2025
Molybdenum		1.5		943	1000	1.221	94.2	75	125	02/12/2025
Nickel		1.0		887	1000	0	88.7	75	125	02/12/2025
Selenium		1.0		931	1000	0.6100	93.1	75	125	02/12/2025
Silver		1.0		89.0	100.0	0	89.0	75	125	02/13/2025
Thallium		2.0		476	500.0	0	95.2	75	125	02/13/2025
Vanadium		5.0		918	1000	0	91.8	75	125	02/12/2025
Zinc		15.0		895	1000	0	89.5	75	125	02/12/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234484		SampType: MSD		Units µg/L			RPD Limit 20			
SampID: 25011232-030DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		3430	4000	0	85.9	3539	3.02	02/12/2025
Antimony		1.0		1090	1000	0	109.4	1103	0.80	02/13/2025
Arsenic		1.0		942	1000	0	94.2	943.4	0.14	02/12/2025
Barium		1.0		4020	4000	91.99	98.2	4003	0.45	02/12/2025
Beryllium		1.0		86.2	100.0	0	86.2	89.68	3.93	02/12/2025
Boron		25.0		880	1000	0	88.0	914.7	3.89	02/12/2025
Cadmium		1.0		98.2	100.0	0	98.2	99.60	1.43	02/12/2025
Chromium		1.5		361	400.0	0	90.2	375.6	4.03	02/12/2025
Cobalt		1.0		929	1000	0	92.9	962.2	3.46	02/12/2025
Copper		1.0		437	500.0	0.7801	87.3	441.4	0.92	02/12/2025
Iron		25.0	B	3840	4000	0	96.1	3816	0.68	02/13/2025
Lead		1.0		942	1000	0	94.2	938.1	0.37	02/12/2025
Manganese		2.0		911	1000	9.439	90.1	935.7	2.69	02/12/2025
Molybdenum		1.5		933	1000	1.221	93.1	943.1	1.12	02/12/2025
Nickel		1.0		868	1000	0	86.8	887.4	2.26	02/12/2025
Selenium		1.0		940	1000	0.6100	93.9	931.2	0.94	02/12/2025
Silver		1.0		90.6	100.0	0	90.6	89.04	1.76	02/13/2025
Thallium		2.0		488	500.0	0	97.6	476.2	2.44	02/13/2025
Vanadium		5.0		894	1000	0	89.4	918.0	2.64	02/12/2025
Zinc		15.0		883	1000	0	88.3	895.2	1.41	02/12/2025

Batch 234484		SampType: MS		Units µg/L						
SampID: 25011232-078CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3490	4000	0	87.1	75	125	02/12/2025
Arsenic		1.0		947	1000	0	94.7	75	125	02/12/2025
Boron		25.0		2210	1000	1310	89.6	75	125	02/12/2025
Copper		1.0		444	500.0	1.350	88.5	75	125	02/12/2025
Iron		25.0	B	3920	4000	0	98.1	75	125	02/13/2025
Lead		1.0		923	1000	0	92.3	75	125	02/12/2025
Manganese		2.0		1920	1000	1020	89.7	75	125	02/12/2025
Nickel		1.0		877	1000	2.043	87.5	75	125	02/12/2025
Silver		1.0		97.4	100.0	0	97.4	75	125	02/13/2025
Vanadium		5.0		924	1000	0	92.4	75	125	02/12/2025
Zinc		15.0		891	1000	0	89.1	75	125	02/12/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234484		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 25011232-078CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		3420	4000	0	85.6	3485	1.78	02/12/2025
Arsenic		1.0		928	1000	0	92.8	947.3	2.04	02/12/2025
Boron		25.0		2180	1000	1310	87.3	2206	1.06	02/12/2025
Copper		1.0		439	500.0	1.350	87.5	443.8	1.16	02/12/2025
Iron		25.0	B	3810	4000	0	95.4	3924	2.83	02/13/2025
Lead		1.0		910	1000	0	91.0	923.1	1.44	02/12/2025
Manganese		2.0		1900	1000	1020	87.8	1917	0.98	02/12/2025
Nickel		1.0		872	1000	2.043	87.0	877.3	0.61	02/12/2025
Silver		1.0		93.7	100.0	0	93.7	97.44	3.92	02/13/2025
Vanadium		5.0		904	1000	0	90.4	924.5	2.23	02/12/2025
Zinc		15.0		871	1000	0	87.1	891.2	2.27	02/12/2025

Batch 234486		SampType: MBLK		Units µg/L						
SampID: MBLK-234486										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/11/2025
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/11/2025
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/11/2025
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/11/2025
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/11/2025
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/11/2025
Chromium		1.5	S	2.7	0.7000	0	385.8	-100	100	02/11/2025
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/11/2025
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/11/2025
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/11/2025
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/11/2025
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/11/2025
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/12/2025
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/11/2025
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/11/2025
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/11/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234486		SampType: LCS		Units µg/L							
SampID: LCS-234486											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3970	4000	0	99.2	80	120	02/11/2025	
Antimony		1.0		948	1000	0	94.8	80	120	02/11/2025	
Arsenic		1.0		891	1000	0	89.1	80	120	02/11/2025	
Barium		1.0		3870	4000	0	96.8	80	120	02/11/2025	
Boron		25.0		868	1000	0	86.8	80	120	02/11/2025	
Cadmium		1.0		89.6	100.0	0	89.6	80	120	02/11/2025	
Chromium		1.5		352	400.0	0	88.0	80	120	02/11/2025	
Cobalt		1.0		845	1000	0	84.5	80	120	02/11/2025	
Copper		1.0		422	500.0	0	84.3	80	120	02/11/2025	
Iron		25.0		3360	4000	0	83.9	80	120	02/11/2025	
Lead		1.0		1010	1000	0	100.7	80	120	02/11/2025	
Manganese		2.0		887	1000	0	88.7	80	120	02/11/2025	
Nickel		1.0		837	1000	0	83.7	80	120	02/11/2025	
Silver		1.0		85.7	100.0	0	85.7	80	120	02/11/2025	
Vanadium		5.0		860	1000	0	86.0	80	120	02/11/2025	
Zinc		15.0		890	1000	0	89.0	80	120	02/11/2025	

Batch 234486		SampType: MS		Units µg/L						
SampID: 25020142-005CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		25.0		3460	4000	0	86.6	75	125	02/11/2025
Nickel		1.0		860	1000	14.17	84.6	75	125	02/12/2025

Batch 234486		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 25020142-005CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron			25.0		3090	4000	0	77.2	3463	11.43	02/11/2025
Nickel			1.0		823	1000	14.17	80.9	859.8	4.34	02/12/2025

Batch 234486		SampType: MS		Units µg/L							
SampID: 25020294-004CMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Iron			25.0		3700	4000	91.57	90.2	75	125	02/13/2025
Nickel			1.0		988	1000	132.6	85.5	75	125	02/13/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234486		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 25020294-004CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron			25.0		3510	4000	91.57	85.4	3700	5.31	02/13/2025
Nickel			1.0		982	1000	132.6	84.9	987.6	0.57	02/13/2025

Batch 234554		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-234554												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100		02/11/2025	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100		02/11/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100		02/11/2025	
Barium		1.0		< 1.0	0.7000	0	0	-100	100		02/11/2025	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100		02/11/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100		02/11/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100		02/11/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100		02/11/2025	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100		02/11/2025	
Copper		1.0		< 1.0	0.3000	0	0	-100	100		02/11/2025	
Iron		25.0		< 25.0	11.50	0	0	-100	100		02/11/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100		02/11/2025	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100		02/11/2025	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100		02/12/2025	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100		02/11/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100		02/11/2025	
Silver		1.0		< 1.0	0.1000	0	0	-100	100		02/12/2025	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100		02/11/2025	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100		02/11/2025	
Zinc		15.0		< 15.0	5.900	0	0	-100	100		02/11/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234554 SampType: LCS

Units µg/L

SampleID: LCS-234554

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3810	4000	0	95.3	80	120	02/11/2025
Antimony		1.0		944	1000	0	94.4	80	120	02/12/2025
Arsenic		1.0		847	1000	0	84.7	80	120	02/11/2025
Barium		1.0		3710	4000	0	92.8	80	120	02/11/2025
Beryllium		1.0		82.6	100.0	0	82.6	80	120	02/11/2025
Boron		25.0		906	1000	0	90.6	80	120	02/11/2025
Cadmium		1.0		82.8	100.0	0	82.8	80	120	02/11/2025
Chromium		1.5		346	400.0	0	86.5	80	120	02/11/2025
Cobalt		1.0		848	1000	0	84.8	80	120	02/12/2025
Copper		1.0		423	500.0	0	84.5	80	120	02/12/2025
Iron		25.0		3290	4000	0	82.4	80	120	02/11/2025
Lead		1.0		985	1000	0	98.5	80	120	02/11/2025
Manganese		2.0		878	1000	0	87.8	80	120	02/11/2025
Molybdenum		1.5		839	1000	0	83.9	80	120	02/12/2025
Nickel		1.0		848	1000	0	84.8	80	120	02/12/2025
Selenium		1.0		941	1000	0	94.1	80	120	02/11/2025
Silver		1.0		84.3	100.0	0	84.3	80	120	02/12/2025
Thallium		2.0		435	500.0	0	87.0	80	120	02/11/2025
Vanadium		5.0		829	1000	0	82.9	80	120	02/11/2025
Zinc		15.0		847	1000	0	84.7	80	120	02/11/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch	234604	SampType:	MBLK	Units µg/L							
SampID:		MBLK-234604									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/13/2025	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/13/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/13/2025	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/13/2025	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/13/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/13/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/13/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/13/2025	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/13/2025	
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/13/2025	
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/13/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/13/2025	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/13/2025	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/13/2025	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/13/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/13/2025	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/13/2025	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/13/2025	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/13/2025	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/13/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234604 SampType: LCS

Units µg/L

SampleID: LCS-234604

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3300	4000	0	82.6	80	120	02/13/2025
Antimony		1.0		949	1000	0	94.9	80	120	02/13/2025
Arsenic		1.0		930	1000	0	93.0	80	120	02/13/2025
Barium		1.0		3800	4000	0	94.9	80	120	02/13/2025
Beryllium		1.0		93.4	100.0	0	93.4	80	120	02/17/2025
Boron		25.0		938	1000	0	93.8	80	120	02/17/2025
Cadmium		1.0		93.1	100.0	0	93.1	80	120	02/13/2025
Chromium		1.5		364	400.0	0	90.9	80	120	02/13/2025
Cobalt		1.0		957	1000	0	95.7	80	120	02/13/2025
Copper		1.0		445	500.0	0	89.1	80	120	02/13/2025
Iron		25.0		3650	4000	0	91.3	80	120	02/13/2025
Lead		1.0		903	1000	0	90.3	80	120	02/13/2025
Manganese		2.0		903	1000	0	90.3	80	120	02/13/2025
Molybdenum		1.5		899	1000	0	89.9	80	120	02/13/2025
Nickel		1.0		879	1000	0	87.9	80	120	02/13/2025
Selenium		1.0		909	1000	0	90.9	80	120	02/13/2025
Silver		1.0		94.3	100.0	0	94.3	80	120	02/13/2025
Thallium		2.0		434	500.0	0	86.8	80	120	02/13/2025
Vanadium		5.0		888	1000	0	88.8	80	120	02/13/2025
Zinc		15.0		873	1000	0	87.3	80	120	02/13/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234604 SampType: MS

Units µg/L

SampleID: 25011232-088DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3430	4000	0	85.8	75	125	02/13/2025
Antimony		1.0		989	1000	0	98.9	75	125	02/13/2025
Arsenic		1.0		901	1000	0	90.1	75	125	02/13/2025
Barium		1.0		3810	4000	50.29	93.9	75	125	02/13/2025
Beryllium		1.0		106	100.0	0	105.6	75	125	02/18/2025
Boron		25.0		1100	1000	10.79	108.6	75	125	02/18/2025
Cadmium		1.0		95.4	100.0	0	95.4	75	125	02/13/2025
Chromium		1.5		356	400.0	0	89.0	75	125	02/13/2025
Cobalt		1.0		925	1000	0	92.5	75	125	02/13/2025
Copper		1.0		420	500.0	0.8203	83.9	75	125	02/13/2025
Iron		25.0		3580	4000	0	89.4	75	125	02/13/2025
Lead		1.0		884	1000	0	88.4	75	125	02/13/2025
Manganese		2.0		887	1000	6.956	88.0	75	125	02/13/2025
Molybdenum		1.5		909	1000	0	90.9	75	125	02/13/2025
Nickel		1.0		838	1000	0	83.8	75	125	02/13/2025
Selenium		1.0		888	1000	0	88.8	75	125	02/13/2025
Silver		1.0		93.0	100.0	0	93.0	75	125	02/13/2025
Thallium		2.0		436	500.0	0	87.2	75	125	02/13/2025
Vanadium		5.0		889	1000	0	88.9	75	125	02/13/2025
Zinc		15.0		845	1000	0	84.5	75	125	02/13/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch	234604	SampType:	MSD	Units µg/L				RPD Limit 20		
SampID: 25011232-088DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		3230	4000	0	80.8	3433	5.99	02/13/2025
Antimony		1.0		944	1000	0	94.4	988.6	4.57	02/13/2025
Arsenic		1.0		880	1000	0	88.0	901.1	2.38	02/13/2025
Barium		1.0		3670	4000	50.29	90.6	3806	3.49	02/13/2025
Beryllium		1.0		101	100.0	0	100.8	105.6	4.65	02/18/2025
Boron		25.0		1040	1000	10.79	103.3	1097	4.95	02/18/2025
Cadmium		1.0		90.2	100.0	0	90.2	95.39	5.55	02/13/2025
Chromium		1.5		342	400.0	0	85.5	356.0	3.98	02/13/2025
Cobalt		1.0		874	1000	0	87.4	924.5	5.61	02/13/2025
Copper		1.0		410	500.0	0.8203	81.8	420.3	2.52	02/13/2025
Iron		25.0		3420	4000	0	85.6	3577	4.40	02/13/2025
Lead		1.0		854	1000	0	85.4	883.9	3.47	02/13/2025
Manganese		2.0		854	1000	6.956	84.7	886.9	3.82	02/13/2025
Molybdenum		1.5		873	1000	0	87.3	909.4	4.12	02/13/2025
Nickel		1.0		808	1000	0	80.8	838.2	3.63	02/13/2025
Selenium		1.0		874	1000	0	87.4	888.2	1.66	02/13/2025
Silver		1.0		88.7	100.0	0	88.7	93.00	4.72	02/13/2025
Thallium		2.0		425	500.0	0	85.1	436.0	2.47	02/13/2025
Vanadium		5.0		849	1000	0	84.9	888.8	4.53	02/13/2025
Zinc		15.0		823	1000	0	82.3	845.4	2.63	02/13/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234751		SampType: MBLK		Units µg/L							
SampleID: MBLK-234751											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/18/2025	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/18/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/18/2025	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/18/2025	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/18/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/18/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/18/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/18/2025	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/18/2025	
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/18/2025	
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/18/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/18/2025	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/18/2025	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/18/2025	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/18/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/18/2025	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/18/2025	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/18/2025	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/18/2025	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/18/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234751		SampType: LCS		Units µg/L						
SampID: LCS-234751										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3820	4000	0	95.4	80	120	02/18/2025
Antimony		1.0		1080	1000	0	107.9	80	120	02/18/2025
Arsenic		1.0		1010	1000	0	101.1	80	120	02/18/2025
Barium		1.0		4450	4000	0	111.2	80	120	02/18/2025
Beryllium		1.0		101	100.0	0	101.5	80	120	02/18/2025
Boron		25.0		1040	1000	0	103.7	80	120	02/18/2025
Cadmium		1.0		111	100.0	0	111.5	80	120	02/18/2025
Chromium		1.5		418	400.0	0	104.6	80	120	02/18/2025
Cobalt		1.0		1120	1000	0	112.1	80	120	02/18/2025
Copper		1.0		517	500.0	0	103.3	80	120	02/18/2025
Iron		25.0		4170	4000	0	104.3	80	120	02/18/2025
Lead		1.0		1080	1000	0	108.3	80	120	02/18/2025
Manganese		2.0		1010	1000	0	101.1	80	120	02/18/2025
Molybdenum		1.5		1060	1000	0	106.3	80	120	02/18/2025
Nickel		1.0		1030	1000	0	102.6	80	120	02/18/2025
Selenium		1.0		983	1000	0	98.3	80	120	02/18/2025
Silver		1.0		119	100.0	0	119.2	80	120	02/18/2025
Thallium		2.0		501	500.0	0	100.3	80	120	02/18/2025
Vanadium		5.0		1010	1000	0	101.5	80	120	02/18/2025
Zinc		15.0		935	1000	0	93.5	80	120	02/18/2025

Batch 235145		SampType: MBLK		Units µg/L							
SampID: MBLK-235145											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	02/25/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/25/2025	
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/25/2025	
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/25/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/25/2025	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/25/2025	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/25/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 235145		SampType: LCS		Units µg/L						
SampID: LCS-235145										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3310	4000	0	82.8	80	120	02/25/2025
Arsenic		1.0		893	1000	0	89.3	80	120	02/25/2025
Copper		1.0		441	500.0	0	88.1	80	120	02/25/2025
Iron		25.0		3520	4000	0	88.1	80	120	02/25/2025
Lead		1.0		928	1000	0	92.8	80	120	02/25/2025
Manganese		2.0		878	1000	0	87.8	80	120	02/25/2025
Nickel		1.0		869	1000	0	86.9	80	120	02/25/2025

Batch 235145		SampType: MS		Units µg/L							
SampID: 25020748-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		1.0		886	1000	0	88.6	75	125	02/25/2025	
Lead		1.0		922	1000	0	92.2	75	125	02/25/2025	

Batch 235145		SampType: MSD		Units µg/L					RPD Limit 20		
SampID: 25020748-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic			1.0		882	1000	0	88.2	885.8	0.46	02/25/2025
Lead			1.0		916	1000	0	91.6	921.5	0.60	02/25/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234361 SampType: MBLK Units µg/L

SampleID: MBLK-234361

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/14/2025
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/13/2025
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/13/2025
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/13/2025
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/14/2025
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/17/2025
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/13/2025
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/14/2025
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/14/2025
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/14/2025
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/14/2025
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/13/2025
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/14/2025
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/14/2025
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/13/2025
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/14/2025
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/13/2025
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/13/2025
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/13/2025
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/14/2025
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/14/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234361		SampType: LCS		Units µg/L							Date Analyzed	
SampID: LCS-234361												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		3730	4000	0	93.2	80	120	02/14/2025		
Antimony		1.0		1130	1000	0	112.9	80	120	02/13/2025		
Arsenic		1.0		993	1000	0	99.3	80	120	02/13/2025		
Barium		1.0		4310	4000	0	107.8	80	120	02/13/2025		
Beryllium		1.0		95.4	100.0	0	95.4	80	120	02/14/2025		
Boron		25.0		921	1000	0	92.1	80	120	02/17/2025		
Cadmium		1.0		113	100.0	0	113.3	80	120	02/13/2025		
Chromium		1.5		394	400.0	0	98.4	80	120	02/14/2025		
Cobalt		1.0		1050	1000	0	104.7	80	120	02/14/2025		
Copper		1.0		497	500.0	0	99.4	80	120	02/14/2025		
Iron		25.0		3980	4000	0	99.4	80	120	02/14/2025		
Lead		1.0		1050	1000	0	104.9	80	120	02/13/2025		
Lithium	*	3.0		1030	1000	0	102.9	80	120	02/14/2025		
Manganese		2.0		1000	1000	0	100.0	80	120	02/14/2025		
Molybdenum		1.5		1110	1000	0	111.4	80	120	02/13/2025		
Nickel		1.0		979	1000	0	97.9	80	120	02/14/2025		
Selenium		1.0		1150	1000	0	114.6	80	120	02/13/2025		
Silver		1.0		98.7	100.0	0	98.7	80	120	02/13/2025		
Thallium		2.0		486	500.0	0	97.2	80	120	02/13/2025		
Vanadium		5.0		974	1000	0	97.4	80	120	02/14/2025		
Zinc		15.0		1000	1000	0	100.4	80	120	02/14/2025		



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234430 SampType: MBLK Units µg/L

SampleID: MBLK-234430

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/10/2025
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/10/2025
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/07/2025
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/10/2025
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/07/2025
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/07/2025
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/07/2025
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/07/2025
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/07/2025
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/07/2025
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/10/2025
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/10/2025
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/07/2025
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/07/2025
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/07/2025
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/10/2025
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/07/2025
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/10/2025
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/07/2025
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/07/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234430		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-234430											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		4710	4000	0	117.6	80	120	02/10/2025	
Arsenic		1.0		1190	1000	0	119.3	80	120	02/07/2025	
Beryllium		1.0		109	100.0	0	109.3	80	120	02/07/2025	
Boron		25.0		1040	1000	0	104.0	80	120	02/07/2025	
Cadmium		1.0		116	100.0	0	116.2	80	120	02/07/2025	
Chromium		1.5		461	400.0	0	115.1	80	120	02/07/2025	
Cobalt		1.0		1110	1000	0	110.7	80	120	02/07/2025	
Copper		1.0		551	500.0	0	110.3	80	120	02/07/2025	
Iron		25.0		4470	4000	0	111.9	80	120	02/10/2025	
Lead		1.0	S	1210	1000	0	121.1	80	120	02/10/2025	
Manganese		2.0		1150	1000	0	115.4	80	120	02/07/2025	
Molybdenum		1.5		1070	1000	0	106.8	80	120	02/07/2025	
Nickel		1.0		1100	1000	0	109.8	80	120	02/07/2025	
Selenium		1.0		1100	1000	0	109.8	80	120	02/10/2025	
Silver		1.0		111	100.0	0	110.9	80	120	02/07/2025	
Thallium		2.0		567	500.0	0	113.3	80	120	02/10/2025	
Vanadium		5.0		1150	1000	0	115.1	80	120	02/07/2025	
Zinc		15.0		1140	1000	0	113.6	80	120	02/07/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234436 SampType: MBLK Units µg/L

SampleID: MBLK-234436

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/10/2025
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/10/2025
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/10/2025
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/10/2025
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/10/2025
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/10/2025
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/10/2025
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/10/2025
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/10/2025
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/10/2025
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/10/2025
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/10/2025
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/10/2025
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/10/2025
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/10/2025
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/10/2025
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/10/2025
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/10/2025
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/10/2025
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/10/2025
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/10/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234436		SampType: LCS		Units µg/L							Date Analyzed
SampleID: LCS-234436											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		4270	4000	0	106.7	80	120	02/10/2025	
Antimony		1.0		986	1000	0	98.6	80	120	02/11/2025	
Arsenic		1.0		1060	1000	0	105.9	80	120	02/11/2025	
Barium		1.0		4410	4000	0	110.2	80	120	02/11/2025	
Beryllium		1.0		110	100.0	0	110.0	80	120	02/10/2025	
Boron		25.0		1110	1000	0	111.1	80	120	02/10/2025	
Cadmium		1.0		118	100.0	0	117.8	80	120	02/10/2025	
Cadmium		1.0		112	100.0	0	112.4	80	120	02/11/2025	
Chromium		1.5		405	400.0	0	101.1	80	120	02/10/2025	
Cobalt		1.0		1050	1000	0	104.7	80	120	02/10/2025	
Copper		1.0		515	500.0	0	103.1	80	120	02/10/2025	
Iron		25.0		4120	4000	0	102.9	80	120	02/10/2025	
Lead		1.0		1110	1000	0	111.5	80	120	02/10/2025	
Lithium	*	3.0		1160	1000	0	115.8	80	120	02/10/2025	
Manganese		2.0		1010	1000	0	101.1	80	120	02/10/2025	
Molybdenum		1.5		1080	1000	0	108.3	80	120	02/11/2025	
Nickel		1.0		1030	1000	0	103.1	80	120	02/10/2025	
Selenium		1.0		1060	1000	0	105.7	80	120	02/11/2025	
Thallium		2.0		517	500.0	0	103.4	80	120	02/10/2025	
Vanadium		5.0		1020	1000	0	101.8	80	120	02/10/2025	
Zinc		15.0		956	1000	0	95.6	80	120	02/10/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234436 SampType: MS Units µg/L

SampleID: 25011232-036CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		4650	4000	320.0	108.3	75	125	02/11/2025
Antimony		1.0		1010	1000	0	100.7	75	125	02/11/2025
Arsenic		1.0		1070	1000	0	106.9	75	125	02/11/2025
Barium		1.0		4520	4000	57.88	111.5	75	125	02/11/2025
Beryllium		1.0		108	100.0	0	108.0	75	125	02/11/2025
Boron		25.0		1120	1000	13.50	110.5	75	125	02/11/2025
Cadmium		1.0		113	100.0	0	113.4	75	125	02/11/2025
Chromium		1.5		422	400.0	1.049	105.3	75	125	02/11/2025
Cobalt		1.0		1050	1000	0.1895	105.1	75	125	02/11/2025
Copper		1.0		507	500.0	1.486	101.1	75	125	02/11/2025
Iron		25.0		4750	4000	485.3	106.6	75	125	02/11/2025
Lead		1.0		1110	1000	0	110.9	75	125	02/11/2025
Lithium	*	3.0		1110	1000	3.208	110.4	75	125	02/11/2025
Manganese		2.0		1040	1000	9.277	103.5	75	125	02/11/2025
Molybdenum		1.5		1100	1000	0	109.6	75	125	02/11/2025
Nickel		1.0		1010	1000	1.338	101.1	75	125	02/11/2025
Selenium		1.0		1050	1000	0	105.2	75	125	02/11/2025
Silver		1.0		119	100.0	0	118.9	75	125	02/11/2025
Thallium		2.0		510	500.0	0.9540	101.8	75	125	02/11/2025
Vanadium		5.0		1070	1000	0	106.8	75	125	02/11/2025
Zinc		15.0		975	1000	0	97.5	75	125	02/11/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch	234436	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 25011232-036CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		4510	4000	320.0	104.7	4652	3.16	02/11/2025
Antimony			1.0		1010	1000	0	101.1	1007	0.38	02/11/2025
Arsenic			1.0		1050	1000	0	104.5	1069	2.29	02/11/2025
Barium			1.0		4480	4000	57.88	110.7	4519	0.76	02/11/2025
Beryllium			1.0		106	100.0	0	105.6	108.0	2.32	02/11/2025
Boron			25.0		1120	1000	13.50	110.2	1119	0.26	02/11/2025
Cadmium			1.0		114	100.0	0	113.6	113.4	0.21	02/11/2025
Chromium			1.5		415	400.0	1.049	103.6	422.2	1.64	02/11/2025
Cobalt			1.0		1040	1000	0.1895	104.1	1051	0.94	02/11/2025
Copper			1.0		498	500.0	1.486	99.3	506.8	1.78	02/11/2025
Iron			25.0		4700	4000	485.3	105.3	4750	1.08	02/11/2025
Lead			1.0		1110	1000	0	111.2	1109	0.26	02/11/2025
Lithium		*	3.0		1090	1000	3.208	108.5	1107	1.76	02/11/2025
Manganese			2.0		1030	1000	9.277	102.0	1044	1.43	02/11/2025
Molybdenum			1.5		1100	1000	0	110.1	1096	0.51	02/11/2025
Nickel			1.0		998	1000	1.338	99.6	1012	1.44	02/11/2025
Selenium			1.0		1040	1000	0	103.5	1052	1.59	02/11/2025
Silver			1.0		120	100.0	0	120.1	118.9	0.97	02/11/2025
Thallium			2.0		513	500.0	0.9540	102.4	510.1	0.58	02/11/2025
Vanadium			5.0		1050	1000	0	104.8	1068	1.86	02/11/2025
Zinc			15.0		956	1000	0	95.6	974.7	1.92	02/11/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234436		SampType: MS		Units µg/L						
SampID: 25011232-077BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		957	1000	0	95.7	75	125	02/12/2025
Arsenic		1.0		869	1000	0	86.9	75	125	02/12/2025
Barium		1.0		4400	4000	13.80	109.7	75	125	02/13/2025
Beryllium		1.0		110	100.0	0	110.0	75	125	02/11/2025
Boron		25.0	S	12000	1000	10230	178.0	75	125	02/11/2025
Cadmium		1.0		92.1	100.0	0	92.1	75	125	02/12/2025
Chromium		1.5		409	400.0	0	102.2	75	125	02/11/2025
Cobalt		1.0		1010	1000	0.8685	100.4	75	125	02/11/2025
Lead		1.0		1110	1000	0	111.5	75	125	02/11/2025
Lithium	*	3.0		1140	1000	2.721	113.3	75	125	02/11/2025
Molybdenum		1.5		886	1000	0	88.6	75	125	02/12/2025
Selenium		1.0		822	1000	0	82.2	75	125	02/12/2025
Thallium		2.0		510	500.0	0	102.0	75	125	02/11/2025

Batch 234436		SampType: MSD	Units µg/L				RPD Limit 20			
SampID: 25011232-077BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		1020	1000	0	102.3	956.9	6.63	02/12/2025
Arsenic		1.0		965	1000	0	96.5	869.0	10.46	02/12/2025
Barium		1.0		4260	4000	13.80	106.3	4401	3.14	02/13/2025
Beryllium		1.0		110	100.0	0	110.1	110.0	0.07	02/11/2025
Boron		25.0		11400	1000	10230	121.4	12020	4.83	02/11/2025
Cadmium		1.0		99.0	100.0	0	99.0	92.13	7.15	02/12/2025
Chromium		1.5		413	400.0	0	103.2	408.6	1.01	02/11/2025
Cobalt		1.0		1040	1000	0.8685	104.0	1005	3.47	02/11/2025
Lead		1.0		1120	1000	0	111.6	1115	0.16	02/11/2025
Lithium	*	3.0		1130	1000	2.721	112.9	1136	0.37	02/11/2025
Molybdenum		1.5		978	1000	0	97.8	885.9	9.87	02/12/2025
Selenium		1.0		916	1000	0	91.6	822.3	10.79	02/12/2025
Thallium		2.0		512	500.0	0	102.4	510.0	0.38	02/11/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234473		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-234473												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/12/2025		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/12/2025		
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/12/2025		
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/12/2025		
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/12/2025		
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/12/2025		
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/12/2025		
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/12/2025		
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/12/2025		
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/12/2025		
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/12/2025		
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/12/2025		
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/18/2025		
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/12/2025		
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/12/2025		
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/12/2025		
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/12/2025		
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/14/2025		
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/14/2025		
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/12/2025		
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/12/2025		



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234473		SampType: LCS		Units µg/L							Date Analyzed
SampleID: LCS-234473											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		4040	4000	0	101.0	80	120	02/12/2025	
Antimony		1.0		1140	1000	0	113.8	80	120	02/12/2025	
Arsenic		1.0		1030	1000	0	103.2	80	120	02/12/2025	
Barium		1.0		4390	4000	0	109.7	80	120	02/12/2025	
Beryllium		1.0		101	100.0	0	100.6	80	120	02/12/2025	
Boron		25.0		1040	1000	0	103.5	80	120	02/12/2025	
Cadmium		1.0		114	100.0	0	113.8	80	120	02/12/2025	
Chromium		1.5		420	400.0	0	105.1	80	120	02/12/2025	
Cobalt		1.0		1090	1000	0	108.6	80	120	02/12/2025	
Copper		1.0		510	500.0	0	102.1	80	120	02/12/2025	
Iron		25.0		4180	4000	0	104.4	80	120	02/12/2025	
Lead		1.0		1070	1000	0	106.9	80	120	02/12/2025	
Lithium	*	3.0		967	1000	0	96.7	80	120	02/18/2025	
Manganese		2.0		1030	1000	0	103.4	80	120	02/12/2025	
Molybdenum		1.5		1050	1000	0	104.8	80	120	02/12/2025	
Nickel		1.0		1020	1000	0	102.0	80	120	02/12/2025	
Selenium		1.0		1060	1000	0	106.1	80	120	02/12/2025	
Silver		1.0		119	100.0	0	119.0	80	120	02/18/2025	
Thallium		2.0		562	500.0	0	112.4	80	120	02/14/2025	
Vanadium		5.0		1020	1000	0	102.4	80	120	02/12/2025	
Zinc		15.0		1020	1000	0	102.2	80	120	02/12/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234473		SampType: MS		Units µg/L						
SampID: 25011232-028CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3840	4000	51.69	94.6	75	125	02/12/2025
Antimony		1.0		1120	1000	0	112.2	75	125	02/12/2025
Arsenic		1.0		971	1000	1.383	97.0	75	125	02/12/2025
Barium		1.0		4350	4000	77.06	106.9	75	125	02/12/2025
Beryllium		1.0		96.4	100.0	0	96.4	75	125	02/12/2025
Boron		25.0		998	1000	0	99.8	75	125	02/12/2025
Cadmium		1.0		107	100.0	0	106.9	75	125	02/12/2025
Chromium		1.5		392	400.0	0	98.1	75	125	02/12/2025
Cobalt		1.0		1010	1000	0.1734	100.8	75	125	02/12/2025
Copper		1.0		457	500.0	0.7826	91.3	75	125	02/12/2025
Iron		25.0		4630	4000	784.3	96.1	75	125	02/12/2025
Lead		1.0		1010	1000	0	100.6	75	125	02/12/2025
Lithium	*	3.0		1050	1000	3.708	104.2	75	125	02/19/2025
Lithium	*	3.0		1110	1000	3.480	110.4	75	125	02/18/2025
Manganese		2.0		1320	1000	375.9	94.2	75	125	02/12/2025
Molybdenum		1.5		999	1000	0	99.9	75	125	02/12/2025
Nickel		1.0		927	1000	0.5130	92.7	75	125	02/12/2025
Selenium		1.0		957	1000	0	95.7	75	125	02/12/2025
Silver		1.0	S	127	100.0	0	126.6	75	125	02/18/2025
Thallium		2.0		578	500.0	0	115.6	75	125	02/14/2025
Vanadium		5.0		977	1000	0	97.7	75	125	02/12/2025
Zinc		15.0		921	1000	0	92.1	75	125	02/12/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch	234473	SampType:	MSD	Units µg/L			RPD Limit 20				
SampleID: 25011232-028CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		3950	4000	51.69	97.5	3837	2.91	02/12/2025
Antimony			1.0		1160	1000	0	115.7	1122	3.07	02/12/2025
Arsenic			1.0		1010	1000	1.383	100.8	971.5	3.83	02/12/2025
Barium			1.0		4460	4000	77.06	109.6	4354	2.42	02/12/2025
Beryllium			1.0		98.9	100.0	0	98.9	96.44	2.54	02/12/2025
Boron			25.0		1030	1000	0	103.2	997.6	3.38	02/12/2025
Cadmium			1.0		111	100.0	0	111.1	106.9	3.80	02/12/2025
Chromium			1.5		408	400.0	0	102.0	392.4	3.92	02/12/2025
Cobalt			1.0		1040	1000	0.1734	103.9	1008	3.01	02/12/2025
Copper			1.0		478	500.0	0.7826	95.4	457.2	4.46	02/12/2025
Iron			25.0		4830	4000	784.3	101.2	4628	4.33	02/12/2025
Lead			1.0		1020	1000	0	102.3	1006	1.71	02/12/2025
Lithium		*	3.0		1040	1000	3.480	103.4	1108	6.57	02/18/2025
Lithium		*	3.0		1030	1000	3.708	102.2	1046	1.98	02/19/2025
Manganese			2.0		1370	1000	375.9	99.7	1318	4.11	02/12/2025
Molybdenum			1.5		1040	1000	0	103.7	998.9	3.77	02/12/2025
Nickel			1.0		959	1000	0.5130	95.8	927.2	3.33	02/12/2025
Selenium			1.0		998	1000	0	99.8	957.4	4.12	02/12/2025
Silver			1.0		113	100.0	0	112.6	126.6	11.68	02/18/2025
Thallium			2.0		573	500.0	0	114.5	577.9	0.91	02/14/2025
Vanadium			5.0		1010	1000	0	101.3	977.1	3.57	02/12/2025
Zinc			15.0		957	1000	0	95.7	920.6	3.92	02/12/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234473		SampType: MS		Units µg/L						
SampID: 25011232-105BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		1160	1000	0	116.3	75	125	02/13/2025
Arsenic		1.0		1070	1000	5.664	106.5	75	125	02/13/2025
Barium		1.0		4480	4000	143.8	108.5	75	125	02/13/2025
Beryllium		1.0		98.1	100.0	0	98.1	75	125	02/13/2025
Boron		25.0		1130	1000	135.1	99.1	75	125	02/13/2025
Cadmium		1.0		113	100.0	0	113.0	75	125	02/13/2025
Chromium		1.5		414	400.0	1.546	103.2	75	125	02/13/2025
Cobalt		1.0		1080	1000	2.386	107.9	75	125	02/13/2025
Lead		1.0		1010	1000	0	100.8	75	125	02/13/2025
Lithium	*	3.0		978	1000	9.249	96.9	75	125	02/18/2025
Molybdenum		1.5		1080	1000	0	107.5	75	125	02/13/2025
Selenium		1.0		1060	1000	0	105.7	75	125	02/13/2025
Thallium		2.0		576	500.0	0	115.2	75	125	02/14/2025

Batch 234473		SampType: MSD	Units µg/L				RPD Limit 20			
SampID: 25011232-105BMSD										Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD
Antimony			1.0		1220	1000	0	121.7	1163	4.46
Arsenic			1.0		1090	1000	5.664	108.3	1071	1.65
Barium			1.0		4700	4000	143.8	113.8	4483	4.67
Beryllium			1.0		99.2	100.0	0	99.2	98.06	1.19
Boron			25.0		1140	1000	135.1	100.6	1126	1.31
Cadmium			1.0		118	100.0	0	117.8	113.0	4.23
Chromium			1.5		419	400.0	1.546	104.2	414.2	1.04
Cobalt			1.0		1080	1000	2.386	108.2	1081	0.32
Lead			1.0		1030	1000	0	102.9	1008	2.00
Lithium	*		3.0		1070	1000	9.249	106.4	978.0	9.29
Molybdenum			1.5		1100	1000	0	110.1	1075	2.37
Selenium			1.0		1070	1000	0	107.0	1057	1.19
Thallium			2.0		566	500.0	0	113.2	576.2	1.77



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234533		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-234533												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/13/2025		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/11/2025		
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/11/2025		
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/11/2025		
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/13/2025		
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/13/2025		
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/11/2025		
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/13/2025		
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/13/2025		
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/13/2025		
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/13/2025		
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/11/2025		
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/13/2025		
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/13/2025		
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/13/2025		
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/13/2025		
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/11/2025		
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/11/2025		
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/11/2025		
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/13/2025		
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/13/2025		



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234533		SampType: LCS		Units µg/L							Date Analyzed	
SampID: LCS-234533												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		4200	4000	0	105.0	80	120	02/13/2025		
Antimony		1.0		1030	1000	0	102.7	80	120	02/11/2025		
Arsenic		1.0		897	1000	0	89.7	80	120	02/11/2025		
Barium		1.0		3870	4000	0	96.7	80	120	02/11/2025		
Beryllium		1.0		94.2	100.0	0	94.2	80	120	02/13/2025		
Boron		25.0		935	1000	0	93.5	80	120	02/13/2025		
Cadmium		1.0		89.2	100.0	0	89.2	80	120	02/11/2025		
Chromium		1.5		413	400.0	0	103.3	80	120	02/13/2025		
Cobalt		1.0		1010	1000	0	100.9	80	120	02/13/2025		
Copper		1.0		497	500.0	0	99.4	80	120	02/13/2025		
Iron		25.0		3950	4000	0	98.8	80	120	02/13/2025		
Lead		1.0		1090	1000	0	108.5	80	120	02/11/2025		
Lithium	*	3.0		1130	1000	0	113.0	80	120	02/17/2025		
Manganese		2.0		1000	1000	0	100.4	80	120	02/13/2025		
Molybdenum		1.5		997	1000	0	99.7	80	120	02/13/2025		
Nickel		1.0		988	1000	0	98.8	80	120	02/13/2025		
Selenium		1.0		1000	1000	0	100.5	80	120	02/11/2025		
Silver		1.0		86.0	100.0	0	86.0	80	120	02/11/2025		
Thallium		2.0		426	500.0	0	85.3	80	120	02/11/2025		
Vanadium		5.0		1000	1000	0	100.1	80	120	02/13/2025		
Zinc		15.0		982	1000	0	98.2	80	120	02/13/2025		



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234593		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-234593												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/13/2025		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/13/2025		
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/18/2025		
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/13/2025		
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/13/2025		
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/13/2025		
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/13/2025		
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/13/2025		
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/13/2025		
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/13/2025		
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/13/2025		
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/13/2025		
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/18/2025		
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/13/2025		
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/13/2025		
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/13/2025		
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/13/2025		
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/13/2025		
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/13/2025		
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/13/2025		
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/13/2025		



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234593		SampType: LCS		Units µg/L							Date Analyzed	
SampID: LCS-234593												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		3650	4000	0	91.3	80	120	02/13/2025		
Antimony		1.0		1050	1000	0	105.0	80	120	02/13/2025		
Arsenic		1.0		1020	1000	0	102.3	80	120	02/18/2025		
Barium		1.0		4000	4000	0	100.1	80	120	02/13/2025		
Beryllium		1.0		89.1	100.0	0	89.1	80	120	02/13/2025		
Boron		25.0		925	1000	0	92.5	80	120	02/13/2025		
Cadmium		1.0		104	100.0	0	104.2	80	120	02/13/2025		
Chromium		1.5		376	400.0	0	94.0	80	120	02/13/2025		
Cobalt		1.0		1010	1000	0	100.6	80	120	02/13/2025		
Copper		1.0		467	500.0	0	93.5	80	120	02/13/2025		
Iron		25.0		3830	4000	0	95.7	80	120	02/13/2025		
Lead		1.0		975	1000	0	97.5	80	120	02/13/2025		
Lithium	*	3.0		1110	1000	0	111.4	80	120	02/18/2025		
Manganese		2.0		949	1000	0	94.9	80	120	02/13/2025		
Molybdenum		1.5		968	1000	0	96.8	80	120	02/13/2025		
Nickel		1.0		931	1000	0	93.1	80	120	02/13/2025		
Selenium		1.0		992	1000	0	99.2	80	120	02/13/2025		
Silver		1.0		102	100.0	0	102.3	80	120	02/13/2025		
Thallium		2.0		462	500.0	0	92.5	80	120	02/13/2025		
Vanadium		5.0		928	1000	0	92.8	80	120	02/13/2025		
Zinc		15.0		930	1000	0	93.0	80	120	02/13/2025		



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234593		SampType: MS		Units µg/L							
SampID: 25011232-055BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		1030	1000	0	102.6	75	125	02/13/2025	
Arsenic		1.0		874	1000	0	87.4	75	125	02/18/2025	
Barium		1.0		4040	4000	137.1	97.5	75	125	02/13/2025	
Beryllium		1.0		91.5	100.0	0	91.5	75	125	02/13/2025	
Boron		25.0		985	1000	58.83	92.6	75	125	02/13/2025	
Cadmium		1.0		98.9	100.0	0	98.9	75	125	02/13/2025	
Chromium		1.5		369	400.0	0	92.3	75	125	02/13/2025	
Cobalt		1.0		943	1000	0	94.3	75	125	02/13/2025	
Iron		25.0		7080	4000	3343	93.3	75	125	02/13/2025	
Lead		1.0		904	1000	0	90.4	75	125	02/13/2025	
Lithium	*	3.0		1050	1000	9.895	103.7	75	125	02/18/2025	
Manganese		2.0		1070	1000	154.6	92.0	75	125	02/13/2025	
Molybdenum		1.5		941	1000	1.404	94.0	75	125	02/13/2025	
Selenium		1.0		922	1000	0	92.2	75	125	02/13/2025	
Thallium		2.0		429	500.0	0	85.8	75	125	02/13/2025	

Batch 234593		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 25011232-055BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		1020	1000	0	101.8	1026	0.77	02/13/2025
Arsenic		1.0		838	1000	0	83.8	874.3	4.18	02/18/2025
Barium		1.0		4010	4000	137.1	96.8	4038	0.70	02/13/2025
Beryllium		1.0		91.4	100.0	0	91.4	91.52	0.16	02/13/2025
Boron		25.0		952	1000	58.83	89.3	985.3	3.42	02/13/2025
Cadmium		1.0		97.2	100.0	0	97.2	98.86	1.68	02/13/2025
Chromium		1.5		365	400.0	0	91.1	369.2	1.27	02/13/2025
Cobalt		1.0		941	1000	0	94.1	942.7	0.21	02/13/2025
Iron		25.0		6980	4000	3343	91.0	7076	1.35	02/13/2025
Lead		1.0		889	1000	0	88.9	904.2	1.67	02/13/2025
Lithium	*	3.0		951	1000	9.895	94.1	1047	9.60	02/18/2025
Manganese		2.0		1050	1000	154.6	89.8	1075	2.09	02/13/2025
Molybdenum		1.5		934	1000	1.404	93.3	941.0	0.73	02/13/2025
Selenium		1.0		926	1000	0	92.6	921.9	0.46	02/13/2025
Thallium		2.0		444	500.0	0	88.8	429.2	3.40	02/13/2025



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234593		SampType: MS		Units µg/L							
SampID: 25011232-073BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		1080	1000	0	108.2	75	125	02/13/2025	
Arsenic		1.0		879	1000	0	87.9	75	125	02/18/2025	
Barium		1.0		4130	4000	20.96	102.8	75	125	02/13/2025	
Beryllium		1.0		88.7	100.0	0	88.7	75	125	02/13/2025	
Boron		25.0		2620	1000	1704	91.4	75	125	02/13/2025	
Cadmium		1.0		104	100.0	0.6788	103.5	75	125	02/13/2025	
Chromium		1.5		386	400.0	0	96.4	75	125	02/13/2025	
Cobalt		1.0		1070	1000	62.53	101.2	75	125	02/13/2025	
Lead		1.0		942	1000	0	94.2	75	125	02/13/2025	
Lithium	*	3.0		978	1000	17.57	96.1	75	125	02/18/2025	
Molybdenum		1.5		1010	1000	0	100.7	75	125	02/13/2025	
Selenium		1.0		993	1000	0	99.3	75	125	02/13/2025	
Thallium		2.0		443	500.0	0	88.7	75	125	02/13/2025	

Batch 234593		SampType:	MSD	Units µg/L				RPD Limit 20		
SampID: 25011232-073BMSD										Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD
Antimony			1.0		1070	1000	0	107.4	1082	0.66
Arsenic			1.0		870	1000	0	87.0	878.8	1.05
Barium			1.0		4090	4000	20.96	101.7	4131	0.99
Beryllium			1.0		85.8	100.0	0	85.8	88.72	3.41
Boron			25.0		2570	1000	1704	86.4	2619	1.95
Cadmium			1.0		103	100.0	0.6788	102.6	104.2	0.86
Chromium			1.5		379	400.0	0	94.7	385.5	1.78
Cobalt			1.0		1060	1000	62.53	99.8	1075	1.36
Lead			1.0		913	1000	0	91.3	942.1	3.12
Lithium	*		3.0		1010	1000	17.57	99.7	978.2	3.69
Molybdenum			1.5		990	1000	0	99.0	1007	1.67
Selenium			1.0		967	1000	0	96.7	992.6	2.63
Thallium			2.0		440	500.0	0	88.0	443.3	0.75



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234622		SampType: MBLK		Units µg/L							
SampID: MBLK-234622											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	02/14/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/14/2025	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/14/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/14/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/14/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/14/2025	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/14/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/14/2025	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/14/2025	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/14/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/14/2025	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/14/2025	

Batch 234622		SampType: LCS		Units µg/L							
SampID: LCS-234622											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		1070	1000	0	107.1	80	120	02/14/2025	
Arsenic		1.0		981	1000	0	98.1	80	120	02/14/2025	
Beryllium		1.0		91.7	100.0	0	91.7	80	120	02/14/2025	
Boron		25.0		961	1000	0	96.1	80	120	02/14/2025	
Cadmium		1.0		98.3	100.0	0	98.3	80	120	02/14/2025	
Chromium		1.5		376	400.0	0	94.0	80	120	02/14/2025	
Cobalt		1.0		926	1000	0	92.6	80	120	02/14/2025	
Lead		1.0		956	1000	0	95.6	80	120	02/14/2025	
Lithium	*	3.0		965	1000	0	96.5	80	120	02/14/2025	
Molybdenum		1.5		951	1000	0	95.1	80	120	02/14/2025	
Selenium		1.0		1080	1000	0	107.6	80	120	02/14/2025	
Thallium		2.0		457	500.0	0	91.4	80	120	02/14/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234691		SampType: MBLK		Units µg/L							Date Analyzed
SampID: MBLK-234691											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/13/2025	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/13/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/13/2025	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/13/2025	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/13/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/13/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/13/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/13/2025	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/13/2025	
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/13/2025	
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/13/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/13/2025	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/13/2025	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/13/2025	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/13/2025	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/13/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/13/2025	
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/13/2025	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/13/2025	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/13/2025	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/13/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234691		SampType: LCS		Units µg/L							
SampleID: LCS-234691											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3610	4000	0	90.3	80	120	02/13/2025	
Antimony		1.0		1070	1000	0	107.5	80	120	02/13/2025	
Arsenic		1.0		957	1000	0	95.7	80	120	02/13/2025	
Barium		1.0		4140	4000	0	103.5	80	120	02/13/2025	
Beryllium		1.0		87.6	100.0	0	87.6	80	120	02/13/2025	
Boron		25.0		875	1000	0	87.5	80	120	02/13/2025	
Cadmium		1.0		107	100.0	0	106.9	80	120	02/13/2025	
Chromium		1.5		395	400.0	0	98.6	80	120	02/13/2025	
Cobalt		1.0		1040	1000	0	104.1	80	120	02/13/2025	
Copper		1.0		491	500.0	0	98.1	80	120	02/13/2025	
Iron		25.0		3900	4000	0	97.4	80	120	02/13/2025	
Lead		1.0		1020	1000	0	101.6	80	120	02/13/2025	
Lithium	*	3.0		900	1000	0	90.0	80	120	02/13/2025	
Manganese		2.0		977	1000	0	97.7	80	120	02/13/2025	
Molybdenum		1.5		1070	1000	0	106.5	80	120	02/13/2025	
Nickel		1.0		969	1000	0	96.9	80	120	02/13/2025	
Selenium		1.0		1090	1000	0	108.7	80	120	02/13/2025	
Silver		1.0		96.8	100.0	0	96.8	80	120	02/13/2025	
Thallium		2.0		474	500.0	0	94.9	80	120	02/13/2025	
Vanadium		5.0		983	1000	0	98.3	80	120	02/13/2025	
Zinc		15.0		958	1000	0	95.8	80	120	02/13/2025	



Quality Control Results

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

Client: Ramboll
Client Project: COF-25Q1

Work Order: 25011232
Report Date: 14-Mar-25

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

Batch 234691		SampType: MS		Units µg/L						
SampID: 25011232-068BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		1200	1000	0	120.5	75	125	02/14/2025
Arsenic		1.0		1100	1000	0.5215	109.9	75	125	02/14/2025
Barium		1.0		4610	4000	16.71	114.9	75	125	02/14/2025
Beryllium		1.0		101	100.0	0	100.8	75	125	02/14/2025
Boron		25.0		3980	1000	2903	108.0	75	125	02/17/2025
Cadmium		1.0		114	100.0	0	113.6	75	125	02/14/2025
Chromium		1.5		413	400.0	0	103.3	75	125	02/14/2025
Cobalt		1.0		1070	1000	0.6051	107.0	75	125	02/14/2025
Lead		1.0		1120	1000	0	112.1	75	125	02/14/2025
Lithium	*	3.0		1020	1000	14.39	100.2	75	125	02/17/2025
Molybdenum		1.5		1100	1000	2.504	110.2	75	125	02/14/2025
Selenium		1.0		1090	1000	0	108.9	75	125	02/14/2025
Thallium		2.0		533	500.0	0	106.6	75	125	02/14/2025

Batch 234691		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 25011232-068BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0	SE	1290	1000	0	128.6	1205	6.48	02/14/2025
Arsenic		1.0		1130	1000	0.5215	113.2	1099	3.04	02/14/2025
Barium		1.0		4840	4000	16.71	120.6	4614	4.76	02/14/2025
Beryllium		1.0		106	100.0	0	105.6	100.8	4.70	02/14/2025
Boron		25.0		4090	1000	2903	118.7	3983	2.66	02/17/2025
Cadmium		1.0		122	100.0	0	122.2	113.6	7.35	02/14/2025
Chromium		1.5		434	400.0	0	108.4	413.4	4.80	02/14/2025
Cobalt		1.0		1120	1000	0.6051	112.4	1071	4.93	02/14/2025
Lead		1.0		1180	1000	0	117.7	1121	4.84	02/14/2025
Lithium	*	3.0		1040	1000	14.39	102.6	1017	2.27	02/17/2025
Molybdenum		1.5		1150	1000	2.504	114.5	1104	3.87	02/14/2025
Selenium		1.0		1130	1000	0	112.8	1089	3.50	02/14/2025
Thallium		2.0		556	500.0	0	111.3	533.0	4.27	02/14/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234938		SampType: MBLK		Units µg/L							
SampID: MBLK-234938											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	02/19/2025	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/19/2025	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/19/2025	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/19/2025	
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/19/2025	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/19/2025	
Calcium		125		< 125	70.00	0	0	-100	100	02/19/2025	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/20/2025	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/19/2025	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/19/2025	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/19/2025	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/19/2025	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/19/2025	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/19/2025	

Batch 234938		SampType: LCS		Units µg/L							
SampID: LCS-234938											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		1150	1000	0	115.2	80	120	02/19/2025	
Arsenic		1.0		1040	1000	0	103.8	80	120	02/19/2025	
Barium		1.0		4390	4000	0	109.7	80	120	02/19/2025	
Beryllium		1.0		100	100.0	0	100.2	80	120	02/19/2025	
Boron		25.0		995	1000	0	99.5	80	120	02/19/2025	
Cadmium		1.0		106	100.0	0	105.8	80	120	02/19/2025	
Calcium		125		5030	5000	0	100.6	80	120	02/19/2025	
Chromium		1.5		409	400.0	0	102.3	80	120	02/20/2025	
Cobalt		1.0		983	1000	0	98.3	80	120	02/19/2025	
Lead		1.0		999	1000	0	99.9	80	120	02/19/2025	
Lithium	*	3.0		1060	1000	0	105.8	80	120	02/19/2025	
Molybdenum		1.5		1020	1000	0	102.2	80	120	02/19/2025	
Selenium		1.0		1030	1000	0	103.2	80	120	02/19/2025	
Thallium		2.0		494	500.0	0	98.7	80	120	02/19/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 234938		SampType: MS		Units µg/L						
SampID: 25010461-003BMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Antimony		1.0		1150	1000	0	115.1	75	125	02/19/2025
Arsenic		1.0		1030	1000	0.7213	103.0	75	125	02/19/2025
Barium		1.0		4420	4000	17.13	110.1	75	125	02/19/2025
Beryllium		1.0		101	100.0	0	100.7	75	125	02/19/2025
Boron		25.0		1110	1000	56.38	105.2	75	125	02/24/2025
Cadmium		1.0		106	100.0	0	105.5	75	125	02/19/2025
Calcium		125	S	67100	5000	60590	129.5	75	125	02/19/2025
Chromium		1.5		389	400.0	1.176	97.0	75	125	02/24/2025
Cobalt		1.0		941	1000	0.3973	94.1	75	125	02/19/2025
Lead		1.0		979	1000	0	97.9	75	125	02/19/2025
Lithium	*	3.0		1040	1000	0	104.3	75	125	02/19/2025
Molybdenum		1.5		992	1000	0	99.2	75	125	02/19/2025
Selenium		1.0		1060	1000	1.399	105.7	75	125	02/19/2025
Thallium		2.0		485	500.0	0	97.1	75	125	02/19/2025

Batch 234938		SampType: MSD		Units µg/L				RPD Limit 20			Date Analyzed
SampID: 25010461-003BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Antimony		1.0		1110	1000	0	111.0	1151	3.68	02/19/2025	
Arsenic		1.0		1000	1000	0.7213	100.3	1031	2.66	02/19/2025	
Barium		1.0		4210	4000	17.13	104.8	4419	4.86	02/19/2025	
Beryllium		1.0		97.4	100.0	0	97.4	100.7	3.38	02/19/2025	
Boron		25.0		1100	1000	56.38	104.1	1108	1.00	02/24/2025	
Cadmium		1.0		100	100.0	0	100.2	105.5	5.15	02/19/2025	
Calcium		125	S	62000	5000	60590	28.0	67060	7.86	02/19/2025	
Chromium		1.5		387	400.0	1.176	96.4	389.1	0.58	02/24/2025	
Cobalt		1.0		917	1000	0.3973	91.7	941.1	2.56	02/19/2025	
Lead		1.0		977	1000	0	97.7	978.5	0.13	02/19/2025	
Lithium	*	3.0		994	1000	0	99.4	1043	4.79	02/19/2025	
Molybdenum		1.5		965	1000	0	96.5	992.5	2.80	02/19/2025	
Selenium		1.0		1020	1000	1.399	102.0	1059	3.61	02/19/2025	
Thallium		2.0		465	500.0	0	93.0	485.4	4.28	02/19/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 235003 SampType: MBLK Units µg/L

SampID: MBLK-235003

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/20/2025
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/20/2025
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/20/2025
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/20/2025
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/20/2025

Batch 235003 SampType: LCS Units µg/L

SampID: LCS-235003

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		947	1000	0	94.7	80	120	02/20/2025
Barium		1.0		4140	4000	0	103.5	80	120	02/20/2025
Boron		25.0		998	1000	0	99.8	80	120	02/20/2025
Lead		1.0		949	1000	0	94.9	80	120	02/20/2025
Selenium		1.0		969	1000	0	96.9	80	120	02/20/2025

Batch 235135 SampType: MBLK Units µg/L

SampID: MBLK-235135

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/25/2025
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/25/2025
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/25/2025
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/25/2025
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/25/2025
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/25/2025
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/25/2025
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/25/2025
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/25/2025
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/25/2025
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/25/2025
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/25/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 235135 SampType: LCS Units µg/L

SampID: LCS-235135

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3580	4000	0	89.6	80	120	02/25/2025
Arsenic		1.0		963	1000	0	96.3	80	120	02/25/2025
Barium		1.0		3910	4000	0	97.8	80	120	02/25/2025
Boron		25.0		941	1000	0	94.1	80	120	02/25/2025
Chromium		1.5		378	400.0	0	94.4	80	120	02/25/2025
Cobalt		1.0		1010	1000	0	101.4	80	120	02/25/2025
Copper		1.0		464	500.0	0	92.9	80	120	02/25/2025
Iron		25.0		3720	4000	0	93.1	80	120	02/25/2025
Lead		1.0		962	1000	0	96.2	80	120	02/25/2025
Nickel		1.0		913	1000	0	91.3	80	120	02/25/2025
Vanadium		5.0		920	1000	0	92.0	80	120	02/25/2025
Zinc		15.0		882	1000	0	88.2	80	120	02/25/2025

Batch 235398 SampType: MBLK Units µg/L

SampID: MBLK-235398

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	03/03/2025
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	03/03/2025
Barium		1.0		< 1.0	0.7000	0	0	-100	100	03/03/2025
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	03/03/2025
Boron		25.0		< 25.0	9.250	0	0	-100	100	03/04/2025
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	03/03/2025
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	03/03/2025
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	03/03/2025
Lead		1.0		< 1.0	0.6000	0	0	-100	100	03/03/2025
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	03/03/2025
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	03/03/2025
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	03/03/2025
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	03/03/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

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

Batch 235398		SampType: LCS		Units µg/L							
SampID: LCS-235398											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		1030	1000	0	103.3	80	120	03/03/2025	
Arsenic		1.0		966	1000	0	96.6	80	120	03/03/2025	
Barium		1.0		4050	4000	0	101.2	80	120	03/03/2025	
Beryllium		1.0		94.4	100.0	0	94.4	80	120	03/03/2025	
Boron		25.0		916	1000	0	91.6	80	120	03/04/2025	
Cadmium		1.0		98.8	100.0	0	98.8	80	120	03/03/2025	
Chromium		1.5		384	400.0	0	96.1	80	120	03/03/2025	
Cobalt		1.0		941	1000	0	94.1	80	120	03/04/2025	
Lead		1.0		924	1000	0	92.4	80	120	03/03/2025	
Lithium	*	3.0		986	1000	0	98.6	80	120	03/03/2025	
Molybdenum		1.5		999	1000	0	99.9	80	120	03/03/2025	
Selenium		1.0		953	1000	0	95.3	80	120	03/03/2025	
Thallium		2.0		463	500.0	0	92.7	80	120	03/03/2025	

SW-846 7470A (DISSOLVED)

Batch 234428		SampType: MS		Units µg/L							
SampID: 25011232-007DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.49	5.000	0	89.9	75	125	02/07/2025	

Batch 234428		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed
SampID: 25011232-007DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Mercury			0.20		4.57	5.000	0	91.5	4.493	1.80	02/07/2025

Batch 234428		SampType: MS		Units µg/L							
SampID: 25011232-009CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.62	5.000	0	92.4	75	125	02/07/2025	

Batch 234428		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25011232-009CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.50	5.000	0	90.1	4.622	2.61	02/07/2025



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW-846 7470A (DISSOLVED)

Batch 234429		SampType: MS		Units µg/L							
SampID: 25011232-010CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.16	5.000	0	103.2	75	125	02/08/2025	

Batch 234429		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25011232-010CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.08	5.000	0	101.5	5.159	1.64	02/08/2025

Batch 234840		SampType: MBLK		Units µg/L							
SampID: MBLK-234840											Date 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	02/17/2025	

Batch 234840		SampType: LCS		Units µg/L							
SampID: LCS-234840											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury			0.20		4.42	5.000	0	88.4	85	115	02/17/2025

SW-846 7470A (TOTAL)

Batch 234428		SampType: MBLK		Units µg/L							
SampID: MBLK-234428											Date 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	02/07/2025	

Batch 234428		SampType: LCS		Units µg/L							
SampID: LCS-234428											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury			0.20		4.43	5.000	0	88.6	85	115	02/07/2025

Batch 234429		SampType: MBLK		Units µg/L							
SampID: MBLK-234429											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	02/08/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW-846 7470A (TOTAL)

Batch 234429		SampType: LCS		Units µg/L							
SampID: LCS-234429											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.85	5.000	0	97.0	85	115	02/08/2025	

Batch 234429		SampType: MS		Units µg/L							
SampID: 25011232-037CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.19	5.000	0	103.9	75	125	02/08/2025	

Batch 234429		SampType: MSD		Units µg/L				RPD Limit 15				Date Analyzed
SampID: 25011232-037CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury			0.20		4.98	5.000	0	99.6	5.193	4.18	02/08/2025	

Batch 234476		SampType: MBLK		Units µg/L								Date Analyzed
SampID: MBLK-234476												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	02/08/2025		

Batch 234476		SampType: LCS		Units µg/L							
SampID: LCS-234476											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.79	5.000	0	95.9	85	115	02/08/2025	

Batch 234476		SampType: MS		Units µg/L							
SampID: 25011232-025CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.93	5.000	0	98.5	75	125	02/08/2025	

Batch 234476		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25011232-025CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		4.91	5.000	0	98.2	4.925	0.26	02/08/2025	

Batch 234476		SampType: MS		Units µg/L							
SampID: 25011232-039CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20	S	3.52	5.000	0	70.5	75	125	02/08/2025	



Quality Control Results

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Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW-846 7470A (TOTAL)

Batch 234476		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25011232-039CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20	S	3.39	5.000	0	67.8	3.524	3.89	02/08/2025	

Batch 234483		SampType: MBLK		Units µg/L							
SampID: MBLK-234483											Date 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	02/10/2025	

Batch 234483		SampType: LCS		Units µg/L							
SampID: LCS-234483											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.90	5.000	0	98.0	85	115	02/10/2025	

Batch 234483		SampType: MS		Units µg/L							
SampID: 25011232-029BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.15	5.000	0.05560	101.8	75	125	02/10/2025	

Batch 234483		SampType: MSD		Units µg/L		RPD Limit 15					
SampID: 25011232-029BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.07	5.000	0.05560	100.4	5.148	1.46	02/10/2025

Batch 234520		SampType: MS		Units µg/L							
SampID: 25011232-046CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.14	5.000	0	102.7	75	125	02/10/2025	

Batch 234520		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25011232-046CMSD											
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	5.135	2.26	02/10/2025

Batch 234520		SampType: MS		Units µg/L							
SampID: 25011232-054BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.10	5.000	0	101.9	75	125	02/10/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW-846 7470A (TOTAL)

Batch 234520		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25011232-054BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.84	5.000	0	96.8	5.097	5.17	02/10/2025

Batch 234564		SampType: MBLK		Units µg/L							
SampID: MBLK-234564											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	02/12/2025	

Batch 234564		SampType: LCS		Units µg/L							
SampID: LCS-234564											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.70	5.000	0	94.0	85	115	02/12/2025	

Batch 234564		SampType: MS		Units µg/L							
SampID: 25011232-081BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.77	5.000	0	95.5	75	125	02/12/2025	

Batch 234564		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed	
SampID: 25011232-081BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Mercury		0.20		4.63	5.000	0	92.6	4.774	3.01	02/12/2025		

Batch 234608		SampType: MBLK		Units µg/L							
SampID: MBLK-234608											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	02/12/2025	

Batch 234608		SampType: LCS		Units µg/L							
SampID: LCS-234608											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury			0.20		4.80	5.000	0	95.9	85	115	02/13/2025

Batch 234608		SampType: MS		Units µg/L							
SampID: 25011232-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.47	5.000	0	89.3	75	125	02/12/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW-846 7470A (TOTAL)

Batch 234608		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25011232-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		4.48	5.000	0	89.6	4.466	0.35	02/12/2025	

Batch 234608		SampType: MS		Units µg/L							
SampID: 25011232-060BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.30	5.000	0	86.1	75	125	02/12/2025	

Batch 234608		SampType: MSD		Units µg/L		RPD Limit 15					Date Analyzed
SampID: 25011232-060BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Mercury			0.20		4.20	5.000	0	83.9	4.303	2.51	02/12/2025

Batch 234613		SampType: MBLK		Units µg/L							
SampID: MBLK-234613											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	02/12/2025	

Batch 234613		SampType: LCS		Units µg/L							
SampID: LCS-234613											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.26	5.000	0	85.2	85	115	02/12/2025	

Batch 234613		SampType: MS		Units µg/L							
SampID: 25011232-051CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20	S	3.38	5.000	0	67.6	75	125	02/12/2025	

Batch 234613		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25011232-051CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20	S	3.37	5.000	0	67.4	3.379	0.27	02/12/2025

Batch 234613		SampType: MS		Units µg/L							
SampID: 25011232-100CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.77	5.000	0	95.5	75	125	02/12/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW-846 7470A (TOTAL)

Batch 234613		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25011232-100CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		4.46	5.000	0	89.2	4.775	6.81	02/12/2025	

Batch 234700		SampType: MBLK		Units µg/L							
SampID: MBLK-234700											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	02/14/2025	

Batch 234700		SampType: LCS		Units µg/L							
SampID: LCS-234700											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.13	5.000	0	102.5	85	115	02/14/2025	

Batch 234700		SampType: MS		Units µg/L							
SampID: 25011232-042CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.34	5.000	0	106.8	75	125	02/14/2025	

Batch 234700		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25011232-042CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.06	5.000	0	101.2	5.339	5.39	02/14/2025

Batch 234840		SampType: MS		Units µg/L							
SampID: 25011232-093BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20	S	1.82	5.000	0	36.5	75	125	02/17/2025	

Batch 234840		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 25011232-093BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20	S	1.61	5.000	0	32.2	1.825	12.48	02/17/2025

Batch 235426		SampType: MBLK		Units µg/L							
SampID: MBLK-235426											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	03/03/2025	



Quality Control Results

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

SW-846 7470A (TOTAL)

Batch 235426		SampType: LCS		Units µg/L							
SampID: LCS-235426											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.89	5.000	0	97.7	85	115	03/03/2025	

Batch 235426		SampType: MS		Units µg/L							
SampID: 25011232-063BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.66	5.000	0.7278	98.6	75	125	03/03/2025	

Batch 235426		SampType: MSD		Units µg/L		RPD Limit 15					
SampID: 25011232-063BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.49	5.000	0.7278	95.2	5.660	3.09	03/03/2025



Receiving Check List

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

Client: Ramboll

Work Order: 25011232

Client Project: COF-25Q1

Report Date: 14-Mar-25

Carrier: Justin Colp

Received By: AMD

Completed by:

On:

05-Feb-25

Amber Dilallo

Reviewed by:

On:

13-Feb-25

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 3.3
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 2/4/25 at 1640 on ice [3.3C, 12.7C, 11.7C, 10.7C, and 13.1C - LTG#5]. pH strip #98858/101358. - amberdilallo - 2/5/2025 8:36:38 AM

Samples were received on 2/5/25 at 15.20 on ice 1.2C, 3.3C, 5.5C, 10.5C - LTG#5. pH#101358/98858. Added nitric acid (102194) to G107, G275D. Added sodium hydroxide (102642) to G107- JD/lhenson - 2/6/2025 8:30:12 AM

Samples were received on 2/6/25 at 16.45 on ice [4.9C, 5.3C, 8.7C, 10.7C, 11.1C, 11.7C - LTG#5]. pH# 101358/98858. Added nitric acid (102194) to G314D, G314D DUP. Added sodium hydroxide (102642) to G 278. - lhenson - 2/7/2025 8:40:35 AM

Samples were received on 2/7/25 at 11:50 on ice [6.3, 3.5C - LTG#5]. - pschultz - 2/7/2025 1:55:02 PM
pH strip #98858/101358. - pschultz - 2/7/2025 1:55:08 PM

Samples were received on 2/10/25 at 1605 on ice [5.9 and 9.7C - LTG#5]. Additional Nitric Acid (102194) was needed upon arrival at the laboratory for G303, G316 and G303 Dup. pH strip #98858/101358. - JD/amberdilallo - 2/10/2025 4:57:03 PM

Samples were received on 02/11/25 at 13.00 on ice [temp4.9C, 5.7C - LTG#9]. pH strip#101358/98858. Added nitric acid (102194) to G285/G313/L201/L202/L203. Added sodium hydroxide (102642) to G270/G271. -CF/ lhenson - 2/11/2025 4:02:31 PM

Samples were received on 2/28/25 at 1150 on ice [11.7C - LTG#5]. pH strip #101358. - NR/amberdilallo - 2/28/2025 12:33:20 PM

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pH ✓ 98858/101358
Urn 2/5/25

3.3, 12.7, 11.7, 10.7, 13.1
LTC5

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Section C
Invoice Information:

Page: 2 of 7

Company: Vistra Corp-Coffeen		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location STATE: IL		
Address: 134 CIPS Lane		Copy To: Rich Speraneo: Richard.Speraneo@vstracorp.com	Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vstracorp.com	Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:			
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location STATE: IL		
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003	Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX DRINKING WATER DW WATER WT WASTE WW P WATER SL PRODUCT OL SOIL/SOLID WP AR OT TS OIL WPPE AIR OTHER TISSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)																			
					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-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				5	2	1	1		1			X																					25011232-017
2	G123		WT	G	2-4-25	1129		5	2	1	1		1			X																				25011232-018	
3	G124		WT	G	2-4-25	1150		5	2	1	1		1			X																				25011232-019	
4	G125		WT	G	2-4-25	1209		6	2	1	2		1			X	X																			25011232-020	
5	G126		WT	G	2-4-25	941		5	2	1	1		1			X																				25011232-021	
6	G151		WT	G	2-4-25	1047		4	2		1		1																							25011232-022	
7	G152		WT	G	2-4-25	1006		4	2		1		1																							25011232-023	
8	G153		WT	G	2-4-25	1226		4	2		1		1																							25011232-024	
9	G154		WT	G	2-4-25	1154		5	2		2		1																							25011232-025	
10	G155		WT	G				4	2		1		1																							25011232-026	
11	G200		WT	G				6	2	1	2		1																							25011232-027	
12	G206		WT	G				6	2	1	2		1																							25011232-028	
13	G206D		WT	G				3	1		2																									25011232-029	
14	G207		WT	G				6	2	1	2		1																							25011232-030	
15	G208		WT	G				6	2	1	2		1																							25011232-031	
16	G209		WT	G				6	2	1	2		1																								25011232-032
ADDITIONAL COMMENTS					RELINQUISHED BY // AFFILIATION			DATE		TIME		ACCEPTED BY // AFFILIATION					DATE		TIME		SAMPLE CONDITIONS																
COF-25Q1 Rev 2					J. Colp			2-7		1640		Jmca Cells					2/4/15		1640							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: John COB					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2-7-25				

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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 Csp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 7-4-25				

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ITEM #	Section D Required Client Information	Valid Matrix Codes DRINKING WATER DW WATER WT WASTE WW WATER PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N ↓ Analysis Test ↑	Requested Analysis Filtered (Y/N)																	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104				COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1	G411	WT	G				4	1															X				25011232-081								
2	L201	WT	G				2	1		1					X												25011232-082								
3	L202	WT	G				2	1		1					X												25011232-083								
4	L203	WT	G				2	1		1					X												25011232-084								
5	NE Riser	WT	G				3	1		2										X							25011232-085								
6	R104	WT	G			2-4-25	1402	7	2	2	2	1				X				X					X		25011232-086								
7	R201	WT	G					6	2	1	2		1					X				X		X			25011232-087								
8	R205	WT	G					6	2	1	2		1											X			25011232-088								
9	SG-02	WT	G					0							X	X			X	X							25011232-089								
10	SG-03	WT	G					0							X	X			X	X							25011232-090								
11	T127	WT	G			2-4-25	1017	6	2	1	2		1				X	X									25011232-091								
12	T128	WT	G			2-4-25	1054	5	2	1	1		1				X										25011232-092								
13	X201	WT	G					2	1		1						X					X	X				25011232-093								
14	XPW01	WT	G					2	1		1								X								25011232-094								
15	XPW02	WT	G					2	1		1								X								25011232-095								
16	XSG-01	WT	G					0											X								25011232-096								
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																			
COF-25Q1 Rev 2		J-Cop			2-7		1640		Sharon Ockler			2/4/25		1640					Y			Z													

Confidential

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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 Cop					
SIGNATURE OF SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2-4-25				

25011232

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			
Address: 134 CIPS Lane		Copy To: Rich Speraneo: Richard.Speraneo@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		REGULATORY AGENCY	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		NPDES GROUND WATER DRINKING WATER	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:		UST RCRA OTHER	
						Site Location: IL	
						STATE:	

ITEM #	Section D Required Client Information	Valid matrix Codes				Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.																																																																																																					
		MATRIX																																																																																																																									
		COLLECTED				Preservatives																																																																																																																					
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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				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-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				MATRIX CODE (see valid codes to left)				SAMPLE TYPE (G=GRAB C=COMP)				DATE				TIME				SAMPLE TEMP AT COLLECTION																																																																																																							

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-25Q1 Rev 2		[Signature]		2-5	1520	[Signature]		2/5	1520	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: Brett A. Hillman
 SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 2-5-25

Added HNO₃ (102194)
 G107, G2750
 NaOH (102642) G107
 PH 98858, 101358 50
 Temps 1.2C
 3.3C
 5.5C
 10.5C
 LTG5

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX DRINKING WATER CW WATER WW WASTE P WATER PRODUCT SL SOL/SOLID CL WP OIL AR WPE OT AIR TS OTHER TISSUE	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=CAMP)	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	$Na_2S_2O_3$	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-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			25011232-033				
2	G211	WT G							6	2	1	2		1														X			25011232-034				
3	G212	WT G							6	2	1	2		1																	25011232-035				
4	G213	WT G							6	2	1	2		1																	25011232-036				
5	G214	WT G							6	2	1	2		1																	25011232-037				
6	G215	WT G							6	2	1	2		1																	25011232-038				
7	G216	WT G							6	2	1	2		1																	25011232-039				
8	G217	WT G							6	2	1	2		1																	25011232-040				
9	G218	WT G							6	2	1	2		1																	25011232-041				
10	G270	WT G							6	2	1	2		1																	25011232-042				
11	G271	WT G							6	2	1	2		1																	25011232-043				
12	G272	WT G							6	2	1	2		1																	25011232-044				
13	G273	WT G							6	2	1	2		1																	25011232-045				
14	G274	WT G							6	2	1	2		1																	25011232-046				
15	G275	WT G							6	2	1	2		1																	25011232-047				
16	G275D	WT G							4	1		2	1																		25011232-048				
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																		
COF-25Q1 Rev 2			2-5-25			2-5		1520		Z A			2/5		1520																				

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Invoice Information:

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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: Brett Gillman					
SIGNATURE of SAMPLER: <i>Brett Gillman</i>	DATE Signed (MM/DD/YY): 2-5-25				

Page: 5 of 7

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Invoice Information:

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX DRINKING WATER DW WATER WT WASTE WW WATER P PRODUCT SL SOIL/SOLID OL WP AR WPE OT AIR TS OTHER TISSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Requested Analysis Filtered (Y/N)															
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G308	WT	G				2	1	1							X														25011232-065			
2	G310	WT	G				2	1	1							X														25011232-066			
3	G312	WT	G				2	1	1							X														25011232-067			
4	G313	WT	G				2	1	1							X														25011232-068			
5	G314	WT	G				2	1	1							X														25011232-069			
6	G314D	WT	G				2	1	1							X														25011232-070			
7	G315	WT	G				2	1	1							X														25011232-071			
8	G316	WT	G				2	1	1							X														25011232-072			
9	G401	WT	G				4	1	1	1						X			X					X						25011232-073			
10	G402	WT	G				4	1	1	1	1					X			X					X						25011232-074			
11	G403	WT	G				4	1	1	1	1					X			X					X						25011232-075			
12	G404	WT	G				4	1	1	1	1					X			X					X						25011232-076			
13	G405	WT	G				4	1	1	1	1					X			X					X						25011232-077			
14	G406	WT	G				4	1	1	1	1					X			X					X						25011232-078			
15	G407	WT	G				4	1	1	1	1					X			X					X						25011232-079			
16	G410	WT	G				4	1	2	1						X								X						25011232-080			
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
COF-25Q1 Rev 2		[Signature]			2-5	1520	[Signature]			2/5	1520	> z																					

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Invoice information:

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ITEM #	Section D Required Client Information	Valid Matrix Codes		MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.								
		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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		
		DRINKING WATER	DW			WT	WATER																														WW	P
1	Field Blank	WT	G						8	5	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		25011232-097			
2	G108 Duplicate	WT	G			2-5-25	920		5	2	1	1		1																					25011232-098			
3	G125 Duplicate	WT	G						6	2	1	2		1																					25011232-099			
4	G207 Duplicate	WT	G						6	2	1	2		1																					25011232-100			
5	G217 Duplicate	WT	G						6	2	1	2		1																					25011232-101			
6	G278 Duplicate	WT	G						6	2	1	2		1																					25011232-102			
7	G303 Duplicate	WT	G						2	1		1							X																25011232-103			
8	G314D Duplicate	WT	G						2	1		1																							25011232-104			
9	G410 Duplicate	WT	G						4	1		2		1																					25011232-105			
10	R104 Duplicate	WT	G						7	2	2	2		1																					25011232-106			
11	T128 Duplicate	WT	G						5	2	1	1		1																					25011232-107			
12	Equipment Blank 1	WT	G						8	5	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		25011232-108			
13	Equipment Blank 2	WT	G						8	5	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		25011232-109			
14	Equipment Blank 3	WT	G						8	5	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		25011232-110			
15																																						
16																																						
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																				
COF-25Q1 Rev 2		[Signature]				2-5		1520		[Signature]				2/5		1520		> z																				

Samples Intact (Y/N)	Age (Y/N)	Gender (Y/N)	Marital Status (Y/N)	Education (Y/N)	Income (Y/N)	Health (Y/N)	Religion (Y/N)	Occupation (Y/N)	Residence (Y/N)	Travel (Y/N)	Other (Y/N)
1	2	3	4	5	6	7	8	9	10	11	12

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Invoice information:

Company: Vistra Corp-Coffeen		Report To: Brian Voelker	Attention: Brian Voelker		
Address: 134 CIPS Lane		Copy To: Rich Speraneo: Richard.Speraneo@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY	
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address: see Section A	NPDES	GROUND WATER DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference	UST	RCRA OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003	Profile #:	STATE:	IL

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Brett Gillik</u>					
SIGNATURE of SAMPLER: <u>[Signature]</u>	DATE Signed (MM/DD/YY): <u>8-6-25</u>				

DN 101358/98858

Added HNO₃ (102194)
G 314D, G 314D
Dup

Added NaOH (102642)
G 278

4.9C
5.3C
8.7C
10.7C
11.1C
54.7C

U45

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Company: Vistra Corp-Coffeen		Report To: Brian Voelker	Invoice Information:		Page: 2 of 7	
Address: 134 CIPS Lane		Copy To: Rich Speraneo: Richard.Speraneo@vistracorp.com	Attention: Brian Voelker			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Company Name: Vistra Corp		REGULATORY AGENCY	
			Address: see Section A		NPDES	GROUND WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:		UST	RCRA
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:		OTHER	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003	Profile #:		Site Location	
					STATE:	IL

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.			
		DRINKING WATER WATER WASTE WATER PRODUCT SOIL/SOLID OL WPE AIR OTHER TISSUE	DW WT WW P SL OL WP AR OT TS			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1	G122	WT	G	2-5-25	1030		5	2	1	1																				25011232-017				
2	G123	WT	G				5	2	1	1																				25011232-018				
3	G124	WT	G				5	2	1	1																				25011232-019				
4	G125	WT	G				6	2	1	2																				25011232-020				
5	G126	WT	G				5	2	1	1																				25011232-021				
6	G151	WT	G				4	2		1																				25011232-022				
7	G152	WT	G				4	2		1																				25011232-023				
8	G153	WT	G				4	2		1																				25011232-024				
9	G154	WT	G				5	2		2																				25011232-025				
10	G155	WT	G	2-6-25	1243		4	2		1																				25011232-026				
11	G200	WT	G				6	2	1	2																				25011232-027				
12	G206	WT	G	2-6-25	1013		6	2	1	2																				25011232-028				
13	G206D	WT	G	2-6-25	913		3	1		2																				25011232-029				
14	G207	WT	G	2-6-25	1021		6	2	1	2																				25011232-030				
15	G208	WT	G	2-6-25	1047		6	2	1	2																				25011232-031				
16	G209	WT	G	2-6-25	1120		6	2	1	2																				25011232-032				
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																		
COF-25Q1 Rev 2																																		

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Bret Gillihan</i>					
SIGNATURE of SAMPLER: <i>Bret Gillihan</i>	DATE Signed (MM/DD/YY): <i>2-6-25</i>				

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX DRINKING WATER DW WATER WT WASTE WW WATER P PRODUCT SL SOL/SOLID OL WP AR OT TS OTHER TISSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test 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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1	G210	WT	G	2-6-25	1150		6	2	1	2	1														X			25011232-033							
2	G211	WT	G				6	2	1	2	1														X			25011232-034							
3	G212	WT	G				6	2	1	2	1													X		X		25011232-035							
4	G213	WT	G				6	2	1	2	1													X		X		25011232-036							
5	G214	WT	G				6	2	1	2	1														X			25011232-037							
6	G215	WT	G				6	2	1	2	1													X		X		25011232-038							
7	G216	WT	G				6	2	1	2	1														X			25011232-039							
8	G217	WT	G				6	2	1	2	1													X		X		25011232-040							
9	G218	WT	G				6	2	1	2	1													X		X		25011232-041							
10	G270	WT	G				6	2	1	2	1													X		X		25011232-042							
11	G271	WT	G				6	2	1	2	1													X		X		25011232-043							
12	G272	WT	G				6	2	1	2	1														X			25011232-044							
13	G273	WT	G				6	2	1	2	1														X		X	25011232-045							
14	G274	WT	G				6	2	1	2	1														X			25011232-046							
15	G275	WT	G				6	2	1	2	1														X		X	25011232-047							
16	G275D	WT	G				4	1		2	1														X		X	25011232-048							
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS																			
COF-25Q1 Rev 2				J. Colp				7-6	1645	<i>[Signature]</i>				7-6	1645																				

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[illegible]

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Page: 5 of 7

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invoice Information:

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

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Page: 7 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Brett Gillihan					
SIGNATURE of SAMPLER: <i>Brett Gillihan</i>	DATE Signed (MM/DD/YY): 2-6-25				

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Invoice Information:

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

6.3, 3.5 #5 400
PH 98858
101358

JD 2/7/25

Page: 4 of 7

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Invoice Information:

REGULATORY AGENCY

NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location	IL	
STATE:		

SAMPLER NAME AND SIGNATUREPRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed
(MM/DD/YY):Temp in °CReceived on
Ice (Y/N)Custody
Sealed

Samples	Intact (Y/N)
1	Y
2	Y
3	Y
4	Y
5	Y
6	Y
7	Y
8	Y
9	Y
10	Y
11	Y
12	Y
13	Y
14	Y
15	Y
16	Y
17	Y
18	Y
19	Y
20	Y
21	Y
22	Y
23	Y
24	Y
25	Y
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27	Y
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34	Y
35	Y
36	Y
37	Y
38	Y
39	Y
40	Y
41	Y
42	Y
43	Y
44	Y
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48	Y
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71	Y
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75	Y
76	Y
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78	Y
79	Y
80	Y
81	Y
82	Y
83	Y
84	Y
85	Y
86	Y
87	Y
88	Y
89	Y
90	Y
91	Y
92	Y
93	Y
94	Y
95	Y
96	Y
97	Y
98	Y
99	Y
100	Y

Page: 5 of 5

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Invoice Information:

STATE:Requested Analysis Filtered (Y/N)

Project No./ Lab I.D.

25011232-065

25011232-066

25011232-067

25011232-068

25011232-069

25011232-070

25011232-071

25011232-072

25011232-073

25011232-074

25011232-075

25011232-076

25011232-077

25071232-078

05011000 000

CONDITIONS

	r	

(N)	dy	Y/N/Y

Price (\$)	Customer Sealer	Roller
10	10	10
20	20	20
30	30	30
40	40	40
50	50	50
60	60	60
70	70	70
80	80	80
90	90	90
100	100	100

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Required Client Information:

Required Project Information:

Invoice Information:

REGULATORY AGENCY

NPDES	GROUND WATER	DRINKING WATER

UST	RCRA	OTHER
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
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30	30	30
31	31	31
32	32	32
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41	41	41
42	42	42
43	43	43
44	44	44
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67	67	67
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74	74	74
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84	84	84
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86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Site Location

STATE:

11

Project No./ Lab I.D.

25011232-081

25011232-082

25011232-083

25011232-084

25011232-085

25011232-086

20011202-007

05011000 050

25011333 000

25011232-091

25011232-092

25011232-093

25011232-094

25011232-095

25011232-096

[illegible]

7	2	

See (N)

Seal
 10/10/10

R	C	—

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Required Client Information:

Required Project Information:

Invoice Information:

ITEM #	Section D Required Client Information	Valid Matrix Codes	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.					
					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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1	AP2D		WT G	2/10/25	1440		2	1											X													25011232-001	
2	G1001		WT G	2/10/25	1349		2	1										X														25011232-002	
3	G1003		WT G	2/10/25	1238		2	1										X														25011232-003	
4	G101		WT G				5	2	1	1																						25011232-004	
5	G102		WT G				7	2	2	2									X													25011232-005	
6	G103		WT G				7	2	2	2																						25011232-006	
7	G105		WT G				7	2	2	2																						25011232-007	
8	G106		WT G				7	2	2	2																						25011232-008	
9	G107		WT G				5	2	1	1																							25011232-009
10	G108		WT G				5	2	1	1																							25011232-010
11	G109		WT G				6	2	1	1																							25011232-011
12	G110		WT G				5	2	1	2																							25011232-012
13	G111		WT G				5	2	1	1																							25011232-013
14	G119		WT G				5	2	1	1																							25011232-014
15	G120		WT G				6	2	1	2																							25011232-015
16	G121		WT G				5	2	1	1																							25011232-016
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION						DATE	TIME	SAMPLE CONDITIONS																	
COF-25Q1 Rev 2				2-10		2-10	1605	[																									

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2/10/25				

Added 41NO3 (102194) G 303, G 316, G 303 Dup
 PH 101358 5.9, 9.7 #5
 98854

JD 2/10/25

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ITEM #	Section D Required Client Information		Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N ↑	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.						
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		MATRIX				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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		
1	G210		WT	G				6	2	1	2	1																	X		25011232-033						
2	G211		WT	G				6	2	1	2	1																	X		25011232-034						
3	G212		WT	G				6	2	1	2	1							X									X		25011232-035							
4	G213		WT	G				6	2	1	2	1							X									X		25011232-036							
5	G214		WT	G				6	2	1	2	1																	X		25011232-037						
6	G215		WT	G				6	2	1	2	1							X									X		25011232-038							
7	G216		WT	G				6	2	1	2	1																	X		25011232-039						
8	G217		WT	G				6	2	1	2	1							X									X		25011232-040							
9	G218		WT	G				6	2	1	2	1							X									X		25011232-041							
10	G270		WT	G				6	2	1	2	1						X		X			X		X	X	X	X		25011232-042							
11	G271		WT	G				6	2	1	2	1							X					X	X		X			25011232-043							
12	G272		WT	G				6	2	1	2	1																X		25011232-044							
13	G273		WT	G				6	2	1	2	1							X					X	X		X			25011232-045							
14	G274		WT	G				6	2	1	2	1																X		25011232-046							
15	G275		WT	G				6	2	1	2	1							X						X	X		X		25011232-047							
16	G275D		WT	G				4	1		2	1							X						X	X				25011232-048							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-25Q1 Rev 2	<i>[Signature]</i>	2-19	1605	Umberto C. Calles	2/19/15	1605	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: SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):										

Page: 4 of 7

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Invoice Information:

ITEM #	Section D Required Client Information	Valid Matrix Codes	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test↓ Y/N↑	Requested Analysis Filtered (Y/N)															
					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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G276	WT	G				6	2	1	2																					25011232-049		
2	G277	WT	G				6	2	1	2											X	X		X						25011232-050			
3	G278	WT	G				6	2	1	2											X	X		X						25011232-051			
4	G279	WT	G				6	2	1	2											X	X	X	X						25011232-052			
5	G280	WT	G				6	2	1	2											X	X	X	X						25011232-053			
6	G281	WT	G				4	1		2											X	X		X						25011232-054			
7	G283	WT	G			2-10-25 1327	3	1		2												X	X							25011232-055			
8	G284	WT	G			5-18-25 1354	3	1		2												X	X							25011232-056			
9	G285	WT	G				3	1		2												X	X							25011232-057			
10	G301	WT	G				2	1		1											X									25011232-058			
11	G302	WT	G				2	1		1											X									25011232-059			
12	G303	WT	G			2-10-25 1125	2	1		1											X									25011232-060			
13	G305	WT	G			2-10-25 1221	2	1		1											X									25011232-061			
14	G306	WT	G			2-10-25 1014	2	1		1											X									25011232-062			
15	G307	WT	G				2	1		1											X									25011232-063			
16	G307D	WT	G			2-10-25 9:17	2	1		1											X									25011232-064			
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																			
COF-25Q1 Rev 2		Z SO		2-10		1605		Union Carbide		2/10/25		1605		> z																			

Confidential

Page: 5 of 7

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Invoice Information:

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

. Confidential

COF-845-101
25011232

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	
Address: 134 CIPS Lane		Copy To: Rich Speraneo: Richard.Speraneo@vistracorp.com		Company Name: Vistra Corp	
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911	Fax:	Project Name:		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 SAMPLE ID (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)														Project No./ Lab I.D.
		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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)		
		DRINKING WATER	WASTE																															WATER	
1	G411	WT	G						4	1	2	1																						25011232-081	
2	L201	WT	G						2	1	1																						25011232-082		
3	L202	WT	G						2	1	1																						25011232-083		
4	L203	WT	G						2	1	1																						25011232-084		
5	NE Riser	WT	G						3	1	2																						25011232-085		
6	R104	WT	G						7	2	2	2	1																				25011232-086		
7	R201	WT	G			2-10-25	1017		6	2	1	2	1																				25011232-087		
8	R205	WT	G			2-10-25	1120		6	2	1	2	1																				25011232-088		
9	SG-02	WT	G						0																								25011232-089		
10	SG-03	WT	G						0																								25011232-090		
11	T127	WT	G						6	2	1	2	1																				25011232-091		
12	T128	WT	G						5	2	1	1	1																				25011232-092		
13	X201	WT	G						2	1	1																						25011232-093		
14	XPW01	WT	G						2	1	1																						25011232-094		
15	XPW02	WT	G						2	1	1																						25011232-095		
16	XSG-01	WT	G						0																								25011232-096		

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-25Q1 Rev 2		<i>[Signature]</i>		2-10	1605	<i>[Signature]</i>		2-10-25	1605				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Brett Gillihan					
SIGNATURE of SAMPLER: <i>[Signature]</i> DATE Signed (MM/DD/YY): 2-10-25					

COF-845-101
25011232

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Rich Speraneo: Richard.Speraneo@visstracorp.com**
Jason Grieve: Jason.Grieve@visstracorp.com
Purchase Order No.:
Project Name:
Project Number: **1940106781-003**

Section C Invoice Information:

Attention: **Brian Voelker**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **7** of **7**

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location
STATE:

IL

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	Valid matrix codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.	
		DRINKING WATER WATER WASTE WATER PRODUCT SOLIDS OIL WPE AIR OTHER	DW WT WW P SL WP AR OT TS			DATE	TIME		Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102		COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)
1	Field Blank	WT	G					8	5	1	1	1						X	X	X	X	X	X	X	X	X	X	X	X	X		25011232-097	
2	G108 Duplicate	WT	G					5	2	1	1	1																				25011232-098	
3	G125 Duplicate	WT	G					6	2	1	2	1																				25011232-099	
4	R205 G207 Duplicate <i>BR R205</i>	WT	G			2-10-25	1124	6	2	1	2	1																				25011232-100	
5	R201 G217 Duplicate <i>BR</i>	WT	G			2-10-25	1017	6	2	1	2	1																				25011232-101	
6	R205 G270 Duplicate <i>BR</i>	WT	G			2-10-25	1221	6	2	1	2	1																				25011232-102	
7	G303 Duplicate	WT	G			2-10-25	1123	2	1		1							X														25011232-103	
8	G314D Duplicate	WT	G					2	1		1							X														25011232-104	
9	G410 Duplicate	WT	G					4	1		2	1																				25011232-105	
10	R104 Duplicate	WT	G					7	2	2	2	1																				25011232-106	
11	T128 Duplicate	WT	G					5	2	1	1	1																				25011232-107	
12	Equipment Blank 1	WT	G					8	5	1	1	1						X	X	X	X	X	X	X	X	X	X	X	X	X		25011232-108	
13	Equipment Blank 2	WT	G					8	5	1	1	1						X	X	X	X	X	X	X	X	X	X	X	X	X		25011232-109	
14	Equipment Blank 3	WT	G					8	5	1	1	1						X	X	X	X	X	X	X	X	X	X	X	X	X		25011232-110	
15																																	
16																																	

ADDITIONAL COMMENTS
COF-25Q1 Rev 2

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **Brett Gilligan**

SIGNATURE of SAMPLER: **Brett Gilligan**

DATE Signed
(MM/DD/YY): **2-10-25**

Temp in °C

Received on
Ice (Y/N)

Custody
Sealed
Cooler (Y/N)

Samples
Intact (Y/N)

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Page: 1 of 7

Required Client Information:

Required Project Information:

Invoice Information:

Company: Vistra Corp.-Coffeen		Report To: Brian Voelker	Attention: Brian Voelker	<table border="1"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td>Site Location</td> <td rowspan="2">IL</td> <td rowspan="2"></td> </tr> <tr> <td>STATE:</td> </tr> </table>			REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location	IL		STATE:
REGULATORY AGENCY																			
NPDES	GROUND WATER	DRINKING WATER																	
UST	RCRA	OTHER																	
Site Location	IL																		
STATE:																			
Address: 134 CIPS Lane		Copy To: Rich Speraneo: Richard.Speraneo@vistracorp.com	Company Name: Vistra Corp																
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address: see Section A																
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:																
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	<table border="1"> <tr> <td>Site Location</td> <td rowspan="2">IL</td> <td rowspan="2"></td> </tr> <tr> <td>STATE:</td> </tr> </table>			Site Location	IL		STATE:									
Site Location	IL																		
STATE:																			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003	Profile #:																

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX DRINKING WATER DW WATER WASTE WW/ WATER PRODUCT P SL OIL WP OTHER TISSUE AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)										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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1	AP2D		WT	G				2	1	1									X											25011232-001					
2	G1001		WT	G				2	1	1									X											25011232-002					
3	G1003		WT	G				2	1	1									X				X							25011232-003					
4	G101		WT	G				5	2	1	1	1					X													25011232-004					
5	G102		WT	G				7	2	2	2	1					X									X				25011232-005					
6	G103		WT	G				7	2	2	2	1					X									X				25011232-006					
7	G105		WT	G				7	2	2	2	1					X									X				25011232-007					
8	G106		WT	G				7	2	2	2	1					X									X				25011232-008					
9	G107		WT	G				5	2	1	1	1					X													25011232-009					
10	G108		WT	G				5	2	1	1	1					X													25011232-010					
11	G109		WT	G				5	2	1	1	1					X													25011232-011					
12	G110		WT	G				6	2	1	2	1					X													25011232-012					
13	G111		WT	G				5	2	1	1	1					X													25011232-013					
14	G119		WT	G				5	2	1	1	1					X													25011232-014					
15	G120		WT	G				6	2	1	2	1					X													25011232-015					
16	G121		WT	G				5	2	1	1	1					X													25011232-016					
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION					DATE		TIME		SAMPLE CONDITIONS																	
COF-25Q1 Rev 2					2-11		1300							2/11/25		1300		4.9 X																	

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

5.7 BTGA

2/11/25 CF

PHV101358/98858

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added NaOH(02642) to 9270/6271/1201

added HN03(102194) ^{G285/G313/L201/L202/L203}
~~added H2504(101231)~~ TE OF

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Page: 2 of 7

ITEM #	Section D Required Client Information	Valid Matrix Codes DRINKING WATER DW WATER WASTE WW WATER PRODUCT P SOIL/SOLID OL OIL WP WPE AR AIR OT OTHER TS TSSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test	Requested Analysis Filtered (Y/N)														
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104				COF-SUP-000	COF-WPCP-102
																												Project No./ Lab I.D.				
1	G122	WT	G				5	2	1	1		1				X													25011232-017			
2	G123	WT	G				5	2	1	1		1				X													25011232-018			
3	G124	WT	G				5	2	1	1		1				X													25011232-019			
4	G125	WT	G				6	2	1	2		1				X	X												25011232-020			
5	G126	WT	G				5	2	1	1		1				X													25011232-021			
6	G151	WT	G				4	2		1		1														X			25011232-022			
7	G152	WT	G				4	2		1		1														X			25011232-023			
8	G153	WT	G				4	2		1		1														X			25011232-024			
9	G154	WT	G				5	2		2		1										X		X					25011232-025			
10	G155	WT	G				4	2		1		1													X				25011232-026			
11	G200	WT	G				6	2	1	2		1					X		X			X		X		X			25011232-027			
12	G206	WT	G				6	2	1	2		1					X			X		X		X					25011232-028			
13	G206D	WT	G				3	1		2							X			X		X							25011232-029			
14	G207	WT	G				6	2	1	2		1													X				25011232-030			
15	G208	WT	G				6	2	1	2		1								X				X					25011232-031			
16	G209	WT	G				6	2	1	2		1					X			X		X		X					25011232-032			
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS														
COF-25Q1 Rev 2						2-11		1300						2/11/25		1300							> z									

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Invoice Information:

REGULATORY AGENCY	
FOR	DRINKING WATER
OTHER	
IL	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER: <i>Brett Gillman</i>					
SIGNATURE of SAMPLER: <i>Brett Gillman</i>	DATE Signed (MM/DD/YY): <i>2-11-25</i>				

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Invoice Information:

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: <i>Dr. H. Sullivan</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): <i>2-11-25</i>				

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Invoice information:

REGULATORY AGENCY	
FOR	DRINKING WATER
OTHER	
IL	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Brett Gillman</i>					
SIGNATURE of SAMPLER: <i>Brett Gillman</i>	DATE Signed (MM/DD/YY): <i>2-11-25</i>				

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

Page: 6 of 7

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes						MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)																					
		DRINKING WATER	DW	WATER	WT	WASTE	WW			WATER PRODUCT	P			SL	OIL	OL	WP	AR	OT	TS	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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
		OTHER TISSUE																																										
1	G411												4	1		2		1																	X					25011232-081				
2	L201												2	1		1																							25011232-082					
3	L202												2	1		1																							25011232-083					
4	L203												2	1		1																							25011232-084					
5	NE Riser												3	1		2																							25011232-085					
6	R104												7	2	2	2			1																				25011232-086					
7	R201												6	2	1	2			1																				25011232-087					
8	R205												6	2	1	2			1																				25011232-088					
9	SG-02												0																										25011232-089					
10	SG-03												0																										25011232-090					
11	T127												6	2	1	2			1																			25011232-091						
12	T128												5	2	1	1			1																			25011232-092						
13	X201												2	1		1																						25011232-093						
14	XPW01												2	1		1																						25011232-094						
15	XPW02												2	1		1																						25011232-095						
16	XSG-01												0																										25011232-096					
ADDITIONAL COMMENTS								RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION						DATE		TIME		SAMPLE CONDITIONS																			
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. Confidential

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Page: 7 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2/11/25				

25011232
TE Umm

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

Required Client Information:

Required Project Information:

Invoice Information:

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: Tracy Carroll					
SIGNATURE of SAMPLER: Tracy Carroll	DATE Signed (MM/DD/YY): 2/28/25				

PHV 101358 ^u 2/28

April 01, 2025

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-25Q1

WorkOrder: 25011233

Dear Eric Bauer:

TEKLAB, INC received 62 samples on 2/28/2025 11:50:00 AM 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: 25011233

Client Project: COF-25Q1

Report Date: 01-Apr-25

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	64
Receiving Check List	66
Chain of Custody	Appended

Definitions

<http://www.teklabinc.com/>**Client:** Ramboll**Work Order:** 25011233**Client Project:** COF-25Q1**Report Date:** 01-Apr-25

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: 25011233

Client Project: COF-25Q1

Report Date: 01-Apr-25

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: 25011233

Client Project: COF-25Q1

Report Date: 01-Apr-25

Cooler Receipt Temp: 3.3 °C

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

G275 and G277 were dry.

G302 collection time per field file. Equipment blanks were not needed. EAH 2/13/25

Ra226/228 analyses were performed by Eurofins St. Louis. See attached reports for results and QC.

Locations

Collinsville

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

Collinsville Air

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Phone (630) 324-6855
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Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com



Accreditations

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

Client: Ramboll

Work Order: 25011233

Client Project: COF-25Q1

Report Date: 01-Apr-25

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2026	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2026	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	8/31/2025	Collinsville
Arkansas	ADEQ	88-0966		3/14/2026	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	KWLCP	KY98050		12/31/2025	Collinsville
Kentucky	KWLCP	KY98006		12/31/2025	Collinsville
Kentucky	UST	0073		1/31/2026	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2028	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-001
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G1001
Collection Date: 02/10/2025 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	03/08/2025 11:14	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-002
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G1003
Collection Date: 02/10/2025 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:14	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-003
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G151
Collection Date: 02/04/2025 10:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:14	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-004
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G152
Collection Date: 02/04/2025 10:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:15	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-005
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G153
Collection Date: 02/04/2025 12:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:15	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-006
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G154
Collection Date: 02/04/2025 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	03/08/2025 11:15	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-007
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25

Client Sample ID: G155

Collection Date: 02/06/2025 12:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:15	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-008
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G200
Collection Date: 02/10/2025 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	03/08/2025 11:15	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-009
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G206
Collection Date: 02/06/2025 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	03/08/2025 11:15	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-010
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G206D
Collection Date: 02/06/2025 9:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:15	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-011
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G209
Collection Date: 02/06/2025 11:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:17	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-012
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25

Client Sample ID: G212

Collection Date: 02/05/2025 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:17	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-013
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G213
Collection Date: 02/05/2025 12:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:17	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-014
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G215
Collection Date: 02/04/2025 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:17	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-015
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G217
Collection Date: 02/04/2025 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	03/08/2025 11:17	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-016
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G218
Collection Date: 02/07/2025 9:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:17	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-017
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G270
Collection Date: 02/11/2025 11:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:25	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-018
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G271
Collection Date: 02/11/2025 9:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/08/2025 11:25	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-019
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G273
Collection Date: 02/05/2025 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	03/08/2025 11:25	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-021
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G275D
Collection Date: 02/05/2025 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	03/11/2025 13:46	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-022
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G276
Collection Date: 02/05/2025 11:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:46	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-024
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G279
Collection Date: 02/06/2025 13:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:55	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-025
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G280
Collection Date: 02/06/2025 14:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:55	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-026
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G281
Collection Date: 02/05/2025 11:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:55	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-027
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G283
Collection Date: 02/10/2025 13:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:56	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-028
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G284
Collection Date: 02/10/2025 13:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:56	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-029
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G285
Collection Date: 02/11/2025 9:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:56	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-030
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G301
Collection Date: 02/07/2025 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:56	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-031
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G302
Collection Date: 02/07/2025 9:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:56	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-032
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G303
Collection Date: 02/10/2025 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:56	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-033
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25

Client Sample ID: G305

Collection Date: 02/10/2025 12:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:50	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-034
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G306
Collection Date: 02/10/2025 10:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:50	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-035
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G307
Collection Date: 02/28/2025 10:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/26/2025 12:09	R362585



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-036
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G307D
Collection Date: 02/10/2025 9:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:51	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-037
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G308
Collection Date: 02/10/2025 12:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:51	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-038
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G310
Collection Date: 02/07/2025 9:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:51	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-039
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G312
Collection Date: 02/10/2025 11:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:51	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-040
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G313
Collection Date: 02/11/2025 10:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:51	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-041
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G314
Collection Date: 02/07/2025 8:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:51	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-042
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G314D
Collection Date: 02/06/2025 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/11/2025 13:51	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-043
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G315
Collection Date: 02/10/2025 10:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:02	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-044
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G316
Collection Date: 02/10/2025 12:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:02	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-045
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G401
Collection Date: 02/10/2025 14:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:02	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-046
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G402
Collection Date: 02/10/2025 13:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:02	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-047
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G403
Collection Date: 02/06/2025 11:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:03	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-048
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G404
Collection Date: 02/06/2025 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:03	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-049
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25

Client Sample ID: G405

Collection Date: 02/05/2025 12:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:03	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1

Work Order: 25011233
Report Date: 01-Apr-25

Lab ID: 25011233-050

Client Sample ID: G406

Matrix: GROUNDWATER

Collection Date: 02/06/2025 12:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:05	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-051
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G407
Collection Date: 02/06/2025 13:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:05	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-052
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G410
Collection Date: 02/06/2025 13:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:05	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-053
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G411
Collection Date: 02/07/2025 9:59

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:05	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-054
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25

Client Sample ID: R201

Collection Date: 02/10/2025 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:05	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-055
Matrix: AQUEOUS

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: Field Blank
Collection Date: 02/11/2025 11:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:15	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-056
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: R201 Duplicate
Collection Date: 02/10/2025 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:15	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-057
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G303 Duplicate
Collection Date: 02/10/2025 11:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:15	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-058
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G314D Duplicate
Collection Date: 02/06/2025 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:15	R361697



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-25Q1
Lab ID: 25011233-059
Matrix: GROUNDWATER

Work Order: 25011233
Report Date: 01-Apr-25
Client Sample ID: G410 Duplicate
Collection Date: 02/06/2025 13:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/10/2025 14:16	R361697



Sample Summary

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

Client: Ramboll
Client Project: COF-25Q1

Work Order: 25011233
Report Date: 01-Apr-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
25011233-001	G1001	Groundwater	1	02/10/2025 13:49
25011233-002	G1003	Groundwater	1	02/10/2025 12:38
25011233-003	G151	Groundwater	1	02/04/2025 10:47
25011233-004	G152	Groundwater	1	02/04/2025 10:06
25011233-005	G153	Groundwater	1	02/04/2025 12:26
25011233-006	G154	Groundwater	1	02/04/2025 11:48
25011233-007	G155	Groundwater	1	02/06/2025 12:43
25011233-008	G200	Groundwater	1	02/10/2025 9:39
25011233-009	G206	Groundwater	1	02/06/2025 9:44
25011233-010	G206D	Groundwater	1	02/06/2025 9:13
25011233-011	G209	Groundwater	1	02/06/2025 11:20
25011233-012	G212	Groundwater	1	02/05/2025 13:12
25011233-013	G213	Groundwater	1	02/05/2025 12:47
25011233-014	G215	Groundwater	1	02/04/2025 14:10
25011233-015	G217	Groundwater	1	02/04/2025 13:03
25011233-016	G218	Groundwater	1	02/07/2025 9:01
25011233-017	G270	Groundwater	1	02/11/2025 11:17
25011233-018	G271	Groundwater	1	02/11/2025 9:50
25011233-019	G273	Groundwater	1	02/05/2025 9:39
25011233-020	G275	Groundwater	1	02/05/2025 0:00
25011233-021	G275D	Groundwater	1	02/05/2025 11:15
25011233-022	G276	Groundwater	1	02/05/2025 11:47
25011233-023	G277	Groundwater	1	02/05/2025 0:00
25011233-024	G279	Groundwater	1	02/06/2025 13:56
25011233-025	G280	Groundwater	1	02/06/2025 14:23
25011233-026	G281	Groundwater	1	02/05/2025 11:37
25011233-027	G283	Groundwater	1	02/10/2025 13:27
25011233-028	G284	Groundwater	1	02/10/2025 13:54
25011233-029	G285	Groundwater	1	02/11/2025 9:48
25011233-030	G301	Groundwater	1	02/07/2025 10:17
25011233-031	G302	Groundwater	1	02/07/2025 9:51
25011233-032	G303	Groundwater	1	02/10/2025 11:23
25011233-033	G305	Groundwater	1	02/10/2025 12:21
25011233-034	G306	Groundwater	1	02/10/2025 10:14
25011233-035	G307	Groundwater	1	02/28/2025 10:31
25011233-036	G307D	Groundwater	1	02/10/2025 9:17
25011233-037	G308	Groundwater	1	02/10/2025 12:35
25011233-038	G310	Groundwater	1	02/07/2025 9:30
25011233-039	G312	Groundwater	1	02/10/2025 11:26



Sample Summary

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

Client: Ramboll
Client Project: COF-25Q1

Work Order: 25011233
Report Date: 01-Apr-25

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
25011233-040	G313	Groundwater	1	02/11/2025 10:24
25011233-041	G314	Groundwater	1	02/07/2025 8:58
25011233-042	G314D	Groundwater	1	02/06/2025 14:31
25011233-043	G315	Groundwater	1	02/10/2025 10:48
25011233-044	G316	Groundwater	1	02/10/2025 12:07
25011233-045	G401	Groundwater	1	02/10/2025 14:06
25011233-046	G402	Groundwater	1	02/10/2025 13:21
25011233-047	G403	Groundwater	1	02/06/2025 11:49
25011233-048	G404	Groundwater	1	02/06/2025 11:24
25011233-049	G405	Groundwater	1	02/05/2025 12:07
25011233-050	G406	Groundwater	1	02/06/2025 12:21
25011233-051	G407	Groundwater	1	02/06/2025 13:01
25011233-052	G410	Groundwater	1	02/06/2025 13:37
25011233-053	G411	Groundwater	1	02/07/2025 9:59
25011233-054	R201	Groundwater	1	02/10/2025 10:17
25011233-055	Field Blank	Aqueous	1	02/11/2025 11:01
25011233-056	R201 Duplicate	Groundwater	1	02/10/2025 10:17
25011233-057	G303 Duplicate	Groundwater	1	02/10/2025 11:23
25011233-058	G314D Duplicate	Groundwater	1	02/06/2025 14:31
25011233-059	G410 Duplicate	Groundwater	1	02/06/2025 13:37
25011233-060	Equipment Blank 1	Aqueous	1	
25011233-061	Equipment Blank 2	Aqueous	1	
25011233-062	Equipment Blank 3	Aqueous	1	



Receiving Check List

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

Client: Ramboll

Work Order: 25011233

Client Project: COF-25Q1

Report Date: 01-Apr-25

Carrier: Justin Colp

Received By: AMD

Completed by:

On:

05-Feb-25

Amber Dilallo

Reviewed by:

On:

13-Feb-25

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 3.3
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 2/4/25 at 1640 on ice [3.3C, 12.7C, 11.7C, 10.7C, and 13.1C - LTG#5]. Additional Nitric Acid (102194) was needed in G153 upon arrival at the laboratory. pH strip #101358. - amberdilallo - 2/5/2025 8:13:04 AM

Samples were received on 2/5/25 at 1520 on ice [1.2, 3.3, 5.5, 10.5C - LTG#5]. Additional Nitric Acid (102194) was needed upon arrival at the laboratory for G275D. pH strip #101358. - amberdilallo - 2/6/2025 8:14:09 AM

Samples were received on 2/6/25 at 16:45 on ice [4.9, 5.3, 8.7, 10.7, 11.1, 11.7C - LTG#5]. - pschultz - 2/7/2025 8:57:43 AM
Additional Nitric Acid (102194) preservative was needed for G314D, G155, G407, G314D upon arrival at the laboratory. - pschultz - 2/7/2025 9:02:58 AM

Samples were received on 2/7/25 at 11:50 on ice [6.3, 3.5C - LTG#5]. - pschultz - 2/7/2025 1:41:30 PM
Additional Nitric Acid (102194) preservative was needed for G314 upon arrival at the laboratory. - pschultz - 2/7/2025 1:42:14 PM
pH strip #101358. - pschultz - 2/7/2025 1:42:18 PM

Samples were received on 2/10/25 at 1605 on ice [5.9 and 9.7C - LTG#5]. Additional Nitric Acid (102194) was needed upon arrival at the laboratory for G303, G402, G316 and G303 Dup. pH strip #101358. - NR/amberdilallo - 2/10/2025 5:00:16 PM

Samples were received on 02/11/25 at 13.00 on ice [temp 4.9C, 5.7C - LTG#9]. pH strip #101358. added nitric acid (102194) to G285- JD/lhenson - 2/11/2025 4:11:05 PM

Samples were received on 2/28/25 at 1150 on ice [11.7C - LTG#5]. pH strip #101358. - NR/amberdilallo - 2/28/2025 12:36:34 PM

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ITEM #	Section D Required Client Information	Valid Matrix Codes <u>MATRIX</u> CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL WP AIR AR OTHER OT TISSE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								<u>Y/N</u>	Requested Analysis Filtered (Y/N)																Ra226/228, only	
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		↓Analysis Test↓	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)		
1	AP2D		WT	G						0													X											N/A			
2	G1001		WT	G						2			2								X												25011233-001				
3	G1003		WT	G						0			2							X													25011233-002				
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-25Q1 Rev 0			J. Gdp			2-4		1640		Sharon O'Connell			2/4/15		1640		> z																				

Sum
215/25

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

UAS

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ITEM #	Section D Required Client Information	Valid Matrix Codes <u>MATRIX</u> <u>CODE</u> DRINKING WATER DW WATER WT WASTE WATER WM PRODUCT P SOLIDS/L SL OIL OL WPE WP AIR AR OTHER OT Tissue TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								<u>Y/N</u>	<u>Analysis Test</u>	Requested Analysis Filtered (Y/N)																Ra226/228, only		
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other			COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	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	2-4-23	1129				0								X												N/A										
2	G123	WT	G	2-4-23	1150				0							X												N/A											
3	G124	WT	G	2-4-23	1209				0							X	X											N/A											
4	G125	WT	G	2-4-23	941				0							X												N/A											
5	G126	WT	G	2-4-23	1047				0							X												N/A											
6	G151	WT	G	2-4-23	1006				2		2															X		25011233-003											
7	G152	WT	G	2-4-23	1226				2		2														X			25011233-004											
8	G153	WT	G	2-4-23	1148				2		2														X			25011233-005											
9	G154	WT	G						2		2												X		X			25011233-006											
10	G155	WT	G						2		2														X			25011233-007											
11	G200	WT	G						2		2														X			25011233-008											
12	G206	WT	G						2		2														X			25011233-009											
13	G206D	WT	G						2		2																	25011233-010											
14	G207	WT	G						0																X			N/A											
15	G208	WT	G						0																X			N/A											
16	G209	WT	G						2		2														X			25011233-011											
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS																							
COF-25Q1 Rev 0				J. Cole				2-4	1640	Amber Osella				2/4/25	1640	>				z																			

Confidential

COF-25Q1-001
25011233

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Rich Speraneo: Richard.Speraneo@vistracorp.com**
Jason Grieve: Jason.Grieve@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **1940106781-003**

Section C Invoice Information:

Attention: **Brian Voelker**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **3** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)																Ra226/228, only										
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G210	WT	G				0																										N/A	
2	G211	WT	G				0																										N/A	
3	G212	WT	G				2		2										X						X								25011233-012	
4	G213	WT	G				2		2										X					X									25011233-013	
5	G214	WT	G	2-4-25	1437		0																										N/A	
6	G215	WT	G	2-4-25	1410		2		2										X					X									25011233-014	
7	G216	WT	G	2-4-25	1339		0																										N/A	
8	G217	WT	G	2-4-25	1303		2		2															X									25011233-015	
9	G218	WT	G				2		2										X				X										25011233-016	
10	G270	WT	G				2		2									X		X			X					X	X				25011233-017	
11	G271	WT	G				2		2											X				X					X				25011233-018	
12	G272	WT	G				0																						X					N/A
13	G273	WT	G				2		2											X				X					X				25011233-019	
14	G274	WT	G				0																						X					N/A
15	G275	WT	G				2		2											X				X					X				25011233-020	
16	G275D	WT	G				2		2											X				X									25011233-021	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-25Q1 Rev 0	JGb	2-4	1640	Sharon O'Callahan	2/4/25	1104C				

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: Breagh Gilligan	SIGNATURE of SAMPLER: Breagh Gilligan				
DATE Signed (MM/DD/YY): 2-4-25					

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Company: Vistra Corp-Coffeen		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 134 CIPS Lane		Copy To: Rich Speraneo: Richard.Speraneo@vistracorp.com	Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location	IL	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003	Profile #:	STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID/SOLID SL OL WPE AIR OTHER Tissue	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N Analysis Test	Requested Analysis Filtered (Y/N)												Ra226/228, 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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1		G411	WT	G				2			2																						25011233-053
2		L201	WT	G				0																									N/A
3		L202	WT	G				0																									N/A
4		L203	WT	G				0																									N/A
5		NE Riser	WT	G				0																									N/A
6		R104	WT	G		2-4-25	1402	0																									N/A
7		R201	WT	G				2			2																						25011233-054
8		R205	WT	G				0																									N/A
9		SG-02	WT	G				0																									N/A
10		SG-03	WT	G				0																									N/A
11		T127	WT	G		2-4-25	1017	0																									N/A
12		T128	WT	G		2-4-25	1054	0																									N/A
13		X201	WT	G				0																									N/A
14		XPW01	WT	G				0																									N/A
15		XPW02	WT	G				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-25Q1 Rev 0			J. Galt			2-4		1640		Shirley Galt			2/4/15		11040																		

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: Brent Gilliken					
SIGNATURE of SAMPLER: <i>Brent Gilliken</i>	DATE Signed (MM/DD/YY): 2-4-25				

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOILSOLID SL OIL CL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	Requested Analysis Filtered (Y/N)																	
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank		WT	G				2		2						X	X	X	X	X	X	X	X	X	X	X	X	X		25011233-055				
2	G108 Duplicate		WT	G				0										X											N/A					
3	G125 Duplicate		WT	G	2-4-25	1209		0																					N/A					
4	G207 Duplicate		WT	G				0																			X		N/A					
5	G217 Duplicate		WT	G				2		2											X					X			25011233-056					
6	G278 Duplicate		WT	G				0																		X			N/A					
7	G303 Duplicate		WT	G				2		2						X				X									25011233-057					
8	G314D Duplicate		WT	G				2		2						X				X									25011233-058					
9	G410 Duplicate		WT	G				2		2																	X		25011233-059					
10	R104 Duplicate		WT	G	2-4-25	1402		0										X								X			N/A					
11	T128 Duplicate		WT	G	2-4-25	1054		0										X											N/A					
12	Equipment Blank 1		WT	G				2		2						X	X	X	X	X	X	X	X	X	X	X	X	X	25011233-060					
13	Equipment Blank 2		WT	G				2		2						X	X	X	X	X	X	X	X	X	X	X	X	X	25011233-061					
14	Equipment Blank 3		WT	G				2		2						X	X	X	X	X	X	X	X	X	X	X	X	X	25011233-062					
15																																		
16																																		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																
COF-25Q1 Rev 0		J. Cole				2-4		1640		Shirley Qualls				4/4/25		1640																		

Confidential

13.43

25011233

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
Address: 134 CIPS Lane		Copy To: Rich Speraneo: Richard.Speraneo@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOLID/SOLID SL OIL OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)												Ra226/228, only	Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000			COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1	AP2D		WT	G				0																							N/A			
2	G1001		WT	G				2																							25011233-001			
3	G1003		WT	G				2																							25011233-002			
4	G101		WT	G				0																							N/A			
5	G102		WT	G	2-5-25	840		0								X	X														N/A			
6	G103		WT	G				0									X														N/A			
7	G105		WT	G				0									X														N/A			
8	G106		WT	G				0									X	X													N/A			
9	G107		WT	G	2-5-25	1111		0									X														N/A			
10	G108		WT	G	2-5-25	922		0									X														N/A			
11	G109		WT	G	2-5-25	930		0									X														N/A			
12	G110		WT	G	2-5-25	1012		0									X	X													N/A			
13	G111		WT	G	2-5-25	1038		0									X														N/A			
14	G119		WT	G				0									X														N/A			
15	G120		WT	G				0									X	X													N/A			
16	G121		WT	G				0									X														N/A			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-25Q1 Rev 0		2-5-25		2-5	1520	GMAO Ocular		2-5-25	1520				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Brett Gillman													
SIGNATURE of SAMPLER: Brett Gillman													
										DATE Signed (MM/DD/YY): 2-5-27			

Added HNO₃ (102194) to
G275D. pH ✓ 10135P
um
2/4/25

Temp 12C
3.3C
5.5C
10.5C
UTG5

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ITEM #	Section D Required Client Information	Valid Matrix Codes <u>MATRIX</u> <u>CODE</u> DRINKING WATER DIW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							<u>Y/N</u>	Requested Analysis Filtered (Y/N)										Ra226/228, 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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1	G210	WT G					0																		X		N/A								
2	G211	WT G			2-5-28	11345	0																		X		N/A								
3	G212	WT G			2-5-25	1312	2		2												X				X		25011233-012								
4	G213	WT G			2-5-25	1247	2		2												X				X		25011233-013								
5	G214	WT G					0																		X		N/A								
6	G215	WT G					2		2												X				X		25011233-014								
7	G216	WT G					0																		X		N/A								
8	G217	WT G					2		2												X				X		25011233-015								
9	G218	WT G					2		2												X				X		25011233-016								
10	G270	WT G					2		2												X		X	X	X		25011233-017								
11	G271	WT G					2		2															X			25011233-018								
12	G272	WT G			2-5-25	1010	0																		X		N/A								
13	G273	WT G			2-5-25	939	2		2																X		25011233-019								
14	G274	WT G			2-5-23	1040	0																		X		N/A								
15	G275	WT G			2-5-25	Dry	2		2																X		25011233-020								
16	G275D	WT G			2-5-25	1115	2		2																X		25011233-021								
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																						
COF-25Q1 Rev 0			Zil SO			2-5	1520	Sma, Oball			2/7/25	1520																							

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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: Brett Gillman					
SIGNATURE of SAMPLER: <i>Brett Gillman</i>	DATE Signed (MM/DD/YY): 2-3-25				

25011233

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: Rich Speraneo; Richard.Speraneo@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TSS TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)												Ra226/228, 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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D		WT	G				0																									N/A
2	G1001		WT	G				2		2										X												25011233-001	
3	G1003		WT	G				2		2										X				X								25011233-002	
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	2-6-25	1645		0																								N/A	
15	G120		WT	G	2-6-25	936		0																								N/A	
16	G121		WT	G	2-6-25	1006		0																								N/A	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																						
COF-25Q1 Rev 0			J. Cap		2-6	1645	Pauloey		2-6	1645	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: Prof Gillman					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YY): 2-6-25					

PAV 101358
added HNO3 (102194) to samples → G314D/G314D/G155/G155/GA07,
G314D/G314D G314D
CF 2/7/25
4.9C
5.3C
8.7C
10.7C
11.1C
11.7C
UTG5

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	Requested Analysis Filtered (Y/N)														Ra226/228, 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-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	2-6-25	1036		0																									N/A	
2		G123	WT	G				0																									N/A	
3		G124	WT	G				0																									N/A	
4		G125	WT	G				0																									N/A	
5		G126	WT	G				0																									N/A	
6		G151	WT	G				2			2																				X		25011233-003	
7		G152	WT	G				2			2																				X		25011233-004	
8		G153	WT	G				2			2																				X		25011233-005	
9		G154	WT	G				2			2																			X	X		25011233-006	
10		G155	WT	G	2-6-25	1243		2			2																				X		25011233-007	
11		G200	WT	G				2			2																						25011233-008	
12		G206	WT	G	2-6-25	943		2			2																				X		25011233-009	
13		G206D	WT	G	2-6-25	913		2			2																						25011233-010	
14		G207	WT	G	2-6-25	1021		0																							X		N/A	
15		G208	WT	G	2-6-25	1047		0																							X		N/A	
16		G209	WT	G	2-6-25	1120		2			2																				X		25011233-011	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
COF-25Q1 Rev 0																																		

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25011233

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Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Page: 3 of 7

Company: Vistra Corp-Coffeen Address: 134 CIPS Lane Coffeen, IL 62017 Email To: Brian.Voelker@VistraCorp.com Phone: (217) 753-8911 Fax: Requested Due Date/TAT: 10 day	Report To: Brian Voelker Copy To: Rich Speraneo: Richard.Speraneo@vistracorp.com Jason Grieve: Jason.Grieve@vistracorp.com Purchase Order No.: Project Name: Project Number: 1940106781-003	Attention: Brian Voelker Company Name: Vistra Corp Address: see Section A Quote Reference: Project Manager: Profile #: 	<table border="1" style="width:100%"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td>Site Location</td> <td colspan="2">IL</td> </tr> <tr> <td>STATE:</td> <td colspan="2"></td> </tr> </table>	REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location	IL		STATE:		
REGULATORY AGENCY																		
NPDES	GROUND WATER	DRINKING WATER																
UST	RCRA	OTHER																
Site Location	IL																	
STATE:																		

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIFE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Requested Analysis Filtered (Y/N)																Ra226/228, only	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)			

ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-25Q1 Rev 0					J-Glp		2-6	1645	Pardee		2/6	1645				

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Brett Gillman							
SIGNATURE of SAMPLER: Brett Gillman DATE Signed (MM/DD/YY): 2-6-25							

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ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL CL CL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)																Ra226/228, 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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.			
1	G308		WT	G				2		2							X																25011233-037			
2	G310		WT	G				2		2							X																25011233-038			
3	G312		WT	G				2		2							X																25011233-039			
4	G313		WT	G				2		2							X																25011233-040			
5	G314		WT	G				2		2							X																25011233-041			
6	G314D		WT	G	2-6-25	1431		2		2							X																25011233-042			
7	G315		WT	G				2		2							X																25011233-043			
8	G316		WT	G				2		2							X																25011233-044			
9	G401		WT	G				2		2								X					X										25011233-045			
10	G402		WT	G				2		2							X					X											25011233-046			
11	G403		WT	G	2-6-25	1149		2		2							X					X											25011233-047			
12	G404		WT	G	2-6-25	1124		2		2							X					X											25011233-048			
13	G405		WT	G	2-6-25	1149-12		2		2							X					X											25011233-049			
14	G406		WT	G	2-6-25	1221 PG-24		2		2							X					X											25011233-050			
15	G407		WT	G	2-6-25	1301		2		2							X					X											25011233-051			
16	G410		WT	G	2-6-25	1337		2		2												X											25011233-052			
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																							
COF-25Q1 Rev 0			J.Glp			2-6	1645	Frank J. Gilligan			2-6	1645																								
SAMPLER NAME AND SIGNATURE													Temp in °C			Received on Ice (Y/N)			Custody Sealed Cooler (Y/N)			Samples Intact (Y/N)														
PRINT Name of SAMPLER: Brett Gilligan																																				
SIGNATURE of SAMPLER: [Signature]																																				
													DATE Signed (MM/DD/YYYY):			2-6-25																				

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)																Ra226/228, only		
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.			
1	Field Blank		WT	G						2								X	X	X	X	X	X	X	X	X	X	X	X	X			25011233-055					
2	G108 Duplicate		WT	G						0																						N/A						
3	G125 Duplicate		WT	G						0																						N/A						
4	G207 Duplicate		WT	G						0																						N/A						
5	G217 Duplicate		WT	G						2																						25011233-056						
6	G278 Duplicate		WT	G						0																						N/A						
7	G303 Duplicate		WT	G						2								X														25011233-057						
8	G314D Duplicate		WT	G						2								X														25011233-058						
9	G410 Duplicate		WT	G						2																						25011233-059						
10	R104 Duplicate		WT	G						0																						N/A						
11	T128 Duplicate		WT	G						0																						N/A						
12	Equipment Blank 1		WT	G						2								X	X	X	X	X	X	X	X	X	X	X	X	X		25011233-060						
13	Equipment Blank 2		WT	G						2								X	X	X	X	X	X	X	X	X	X	X	X	X		25011233-061						
14	Equipment Blank 3		WT	G						2								X	X	X	X	X	X	X	X	X	X	X	X	X		25011233-062						
15																																						
16																																						
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																					
COF-25Q1 Rev 0			J. Gelp		7-6		1645		Paul J. [Signature]				216		1645		> z																					

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Brett Grillman					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2-6-25				

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ V/N ↑	Requested Analysis Filtered (Y/N)																Ra226/228, only	
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	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		25011233-012									
4	G213	WT	G						2		2									X					X		25011233-013									
5	G214	WT	G						0																X		N/A									
6	G215	WT	G						2		2									X					X		25011233-014									
7	G216	WT	G						0																X		N/A									
8	G217	WT	G						2		2									X					X		25011233-015									
9	G218	WT	G	2-7-25	901				2		2									X					X		25011233-016									
10	G270	WT	G						2		2								X		X		X	X	X		25011233-017									
11	G271	WT	G						2		2									X				X			25011233-018									
12	G272	WT	G						0																X		N/A									
13	G273	WT	G						2		2										X				X		25011233-019									
14	G274	WT	G						0																X		N/A									
15	G275	WT	G						2		2										X				X		25011233-020									
16	G275D	WT	G						2		2										X						25011233-021									
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																				
COF-25Q1 Rev 0		2-X SO			2-7		1150		Pawley			2-7		1150		> z																				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Brett Gilligan					
SIGNATURE of SAMPLER: <i>Brett Gilligan</i>	DATE Signed (MM/DD/YY): 2-7-25				

6.3, 3.5 #5 Ice
Added HNO₃ (102194)
PH101358 G314 2/2
JD 2/7/25

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLIDS SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	Requested Analysis Filtered (Y/N)												Ra226/228, 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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
1		G276	WT	G				2			2																							25011233-022
2		G277	WT	G				2		2																								25011233-023
3		G278	WT	G				0																										N/A
4		G279	WT	G				2		2																								25011233-024
5		G280	WT	G				2		2																								25011233-025
6		G281	WT	G				2		2																								25011233-026
7		G283	WT	G				2		2																								25011233-027
8		G284	WT	G				2		2																								25011233-028
9		G285	WT	G				2		2																								25011233-029
10		G301	WT	G				2		2																								25011233-030
11		G302	WT	G				2		2																								25011233-031
12		G303	WT	G				2		2																								25011233-032
13		G305	WT	G				2		2																								25011233-033
14		G306	WT	G				2		2																								25011233-034
15		G307	WT	G				2		2																								25011233-035
16		G307D	WT	G				2		2																								25011233-036
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION																								

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CHAIN-OF-CUSTODY / Analytical Request Document

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Section 3

Invoice Information:

Requested Analysis Filtered (Y/N)

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CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 134 CIPS Lane		Copy To: Rich Speraneo: Richard.Speraneo@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location STATE: IL	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLIDS SOL OIL OL WPE WP AIR AR OTHER OT ISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)		
1	AP2D		WT	G	2/10/25	1440		0																									N/A	
2	G1001		WT	G	2/10/25	1349		2																									25011233-001	
3	G1003		WT	G	2/10/25	1238		2																									25011233-002	
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-25Q1 Rev 0		22 80		2-10		1605		22 80		2/10		1605							
PHV 10/358 Address HNO ₃ (102194) to G303, G402, G316, G303 Dup ~ 2/10														SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <i>Tracy Carr</i> SIGNATURE of SAMPLER: <i>Tracy Carr</i>		DATE Signed (MM/DD/YY): <i>2/10/25</i>		Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)	

5.9, 9.7 ice #5

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Invoice Information:

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: Brett Gillison					
SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 2-10-19				

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Invoice Information:

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:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

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

Invoice Information:

Page: 4 of

ITEM #	Section D Required Client Information		Valid Matrix Codes <u>MATRIX CODE</u>		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								↓ Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)																Ra226/228, only	
	SAMPLE ID (A-Z, 0-9 / .) Sample IDs MUST BE UNIQUE		DW WT WW SL OL VF AR OT TS	CODE			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G276		WT	G					2			2							X						X								25011233-022				
2	G277		WT	G					2			2							X					X								25011233-023					
3	G278		WT	G					0																			X				N/A					
4	G279		WT	G					2			2						X						X	X	X						25011233-024					
5	G280		WT	G					2			2						X	X		X			X	X	X						25011233-025					
6	G281		WT	G					2			2						X	X		X	X			X	X						25011233-026					
7	G283		WT	G	2-10-25	1327			2			2						X						X								25011233-027					
8	G284		WT	G	2-10-25	1354			2			2						X						X								25011233-028					
9	G285		WT	G					2			2						X						X								25011233-029					
10	G301		WT	G					2			2								X												25011233-030					
11	G302		WT	G					2			2						X			X											25011233-031					
12	G303		WT	G	2-10-25	1123			2			2						X			X											25011233-032					
13	G305		WT	G	2-10-25	1221			2			2						X			X											25011233-033					
14	G306		WT	G	2-10-25	1014			2			2						X			X											25011233-034					
15	G307		WT	G	2-				2			2						X			X											25011233-035					
16	G307D		WT	G	2-10-25	917			2			2						X			X											25011233-036					
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																				
COF-25Q1 Rev 0			B-150			2-10		1605		Z-R			2/10		1605		> z																				

Confidential

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Invoice Information:

Company: Vistra Corp-Coffeen		Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane		Copy To: Rich Speraneo: Richard.Speraneo@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911	Fax:	Project Name:	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	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WM PRODUCT P SOLIDS SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N Analysis Test	Requested Analysis Filtered (Y/N)																Ra226/228, 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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)		
1	G308	WT G	2-10-25	1235	2							X						X											25011233-037					
2	G310	WT G			2							X						X											25011233-038					
3	G312	WT G	2/10/25	11:26	2							X						X											25011233-039					
4	G313	WT G			2							X																	25011233-040					
5	G314	WT G			2							X						X											25011233-041					
6	G314D	WT G			2							X						X											25011233-042					
7	G315	WT G	2-10-25	1049	2							X						X											25011233-043					
8	G316	WT G	2-10-25	1207	2							X						X											25011233-044					
9	G401	WT G	2-10-25	1321	2								X						X				X						25011233-045					
10	G402	WT G	2-10-25	1321	2								X						X				X						25011233-046					
11	G403	WT G			2								X						X				X						25011233-047					
12	G404	WT G			2								X						X				X						25011233-048					
13	G405	WT G			2								X						X				X						25011233-049					
14	G406	WT G			2								X						X				X						25011233-050					
15	G407	WT G			2								X							X			X						25011233-051					
16	G410	WT G			2																		X						25011233-052					
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION					DATE	TIME	SAMPLE CONDITIONS																				
COF-25Q1 Rev 0			[Signature]		2-10	1605	[Signature]					2/10	1605	> z																				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Brett Gillman					
SIGNATURE of SAMPLER: <i>Brett Gillman</i>	DATE Signed (MM/DD/YY): 2-10-25				

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	Requested Analysis Filtered (Y/N)												Ra226/228, 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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1		G411	WT	G				2																								25011233-053		
2		L201	WT	G				0																								N/A		
3		L202	WT	G				0																								N/A		
4		L203	WT	G				0																								N/A		
5		NE Riser	WT	G				0																								N/A		
6		R104	WT	G				0																								N/A		
7		R201	WT	G		2-10-25	1011	2																								25011233-054		
8		R205	WT	G		2-10-25	1126	0																								N/A		
9		SG-02	WT	G				0																								N/A		
10		SG-03	WT	G				0																								N/A		
11		T127	WT	G				0																								N/A		
12		T128	WT	G				0																								N/A		
13		X201	WT	G				0																								N/A		
14		XPW01	WT	G				0																								N/A		
15		XPW02	WT	G				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-25Q1 Rev 0			[Signature]		2-10		1605		[Signature]				2/10		1605		Y Z																	

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <u>Brett Gilligan</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>2-10-25</u>					

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

Section C
Invoice Information:

Company: Vistra Corp.-Coffeeen		Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane		Copy To: Rich Speraneo: Richard.Speraneo@vistracorp.com	Company Name: Vistra Corp
Coffeeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003	Profile #:

STATE: IL

[illegible]

Samples Intact (Y/N)

Not filtered in the field

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Page: 1 of 7

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLIDS SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000			COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106
1	AP2D		WT	G				0																								N/A	
2	G1001		WT	G				2																								25011233-001	
3	G1003		WT	G				2																								25011233-002	
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-25Q1 Rev 0			2-11-20			2-11	1300	2-11-20			2-11-20	1300	4.9, 2, 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):				

PH 101358 Added HNO₃ (102194)
TO G-285 2/2

UTG 9
5.7

50 2/11/25

COF-25Q1-101
25011233

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Rich Speraneo: Richard.Speraneo@vistracorp.com**
Jason Grieve: Jason.Grieve@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **1940106781-003**

Section C Invoice Information:

Attention: **Brian Voelker**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **2** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)																Ra226/228, only								
ITEM #	SAMPLE ID (A-Z, 0-9 / .)	MATRIX	CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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		25011233-003
7	G152	WT	G				2		2																					X		25011233-004
8	G153	WT	G				2		2																					X		25011233-005
9	G154	WT	G				2		2																			X		X		25011233-006
10	G155	WT	G				2		2																					X		25011233-007
11	G200	WT	G				2		2										X		X				X				X		25011233-008	
12	G206	WT	G				2		2										X					X				X			25011233-009	
13	G206D	WT	G				2		2										X					X							25011233-010	
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			25011233-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-25Q1 Rev 0	<i>[Signature]</i>	2-11	1300	<i>[Signature]</i>	2/11/25	1300				

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):				

25011233

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Rich Speraneo: Richard.Speraneo@vistracorp.com**
Jason Grieve: Jason.Grieve@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **1940106781-003**

Section C Invoice Information:

Attention: **Brian Voelker**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **3** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)																Ra226/228, only						
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX	CODE	DATE	TIME	UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210	WT	G			0																								N/A
2	G211	WT	G			0																								N/A
3	G212	WT	G			2	2									X						X								25011233-012
4	G213	WT	G			2	2									X						X								25011233-013
5	G214	WT	G			0																								N/A
6	G215	WT	G			2	2									X						X								25011233-014
7	G216	WT	G			0																								N/A
8	G217	WT	G			2	2	2								X						X								25011233-015
9	G218	WT	G			2	2	2								X						X								25011233-016
10	G270	WT	G	2-11-25	1117	2	2	2							X		X				X		X		X	X	X			25011233-017
11	G271	WT	G	2-11-25	950	2	2	2									X					X			X	X				25011233-018
12	G272	WT	G			0																				X				N/A
13	G273	WT	G			2	2										X					X			X	X				25011233-019
14	G274	WT	G			0																				X				N/A
15	G275	WT	G			2	2	2									X					X			X	X				25011233-020
16	G275D	WT	G			2	2	2									X					X			X	X				25011233-021

SAMPLER NAME AND SIGNATURE		DATE		TIME		SAMPLE CONDITIONS	
PRINT Name of SAMPLER: Brett Sullivan		2-11		1300		Y Z	
SIGNATURE of SAMPLER: Brett Sullivan		DATE Signed (MM/DD/YY):		2-11-25		Temp in °C	
						Received on Ice (Y/N)	
						Custody Sealed Cooler (Y/N)	
						Samples Intact (Y/N)	

25011233

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Rich Speraneo: Richard.Speraneo@vistracorp.com**
Jason Grieve: Jason.Grieve@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **1940106781-003**

Section C Invoice Information:

Attention: **Brian Voelker**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **4** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)																Ra226/228, only								
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G276	WT	G				2		2											X					X			X				25011233-022
2	G277	WT	G				2		2										X						X			X				25011233-023
3	G278	WT	G				0																					X				N/A
4	G279	WT	G				2		2										X						X		X	X				25011233-024
5	G280	WT	G				2		2								X	X					X	X	X	X	X					25011233-025
6	G281	WT	G				2		2								X	X				X	X			X						25011233-026
7	G283	WT	G				2		2										X						X							25011233-027
8	G284	WT	G				2		2										X						X							25011233-028
9	G285	WT	G	2-11-25	948		2		2										X						X							25011233-029
10	G301	WT	G				2		2								X					X										25011233-030
11	G302	WT	G				2		2								X					X										25011233-031
12	G303	WT	G				2		2								X					X										25011233-032
13	G305	WT	G				2		2								X					X										25011233-033
14	G306	WT	G				2		2								X					X										25011233-034
15	G307	WT	G				2		2								X					X										25011233-035
16	G307D	WT	G				2		2								X					X										25011233-036

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **Brett Gillman**
SIGNATURE of SAMPLER: *Brett Gillman*

DATE Signed (MM/DD/YYYY): **2-11-25**

Temp in °C
Received on Ice (Y/N)
Custody Sealed Cooler (Y/N)
Samples Intact (Y/N)

25011233

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: Vistra Corp-Coffeen
Address: 134 CIPS Lane
Coffeen, IL 62017
Email To: Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911 Fax:
Requested Due Date/TAT: 10 day

Section B Required Project Information:

Report To: Brian Voelker
Copy To: Rich Speraneo; Richard.Speraneo@vistracorp.com
Jason Grieve; Jason.Grieve@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: 1940106781-003

Section C Invoice Information:

Attention: Brian Voelker
Company Name: Vistra Corp
Address: see Section A
Quote Reference:
Project Manager:
Profile #:

Page: 5 of 7

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		SAMPLE TEMP AT COLLECTION		Preservatives		Requested Analysis Filtered (Y/N)		Ra226/228, only																			
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX	CODE	DATE	TIME	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test ↓	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No. / Lab I.D.
1	G308	WT	G			2		2							X							X									25011233-037
2	G310	WT	G			2		2							X							X									25011233-038
3	G312	WT	G			2		2							X							X									25011233-039
4	G313	WT	G	2-11-25	1024	2		2							X							X									25011233-040
5	G314	WT	G			2		2							X							X									25011233-041
6	G314D	WT	G			2		2							X							X									25011233-042
7	G315	WT	G			2		2							X							X									25011233-043
8	G316	WT	G			2		2							X							X									25011233-044
9	G401	WT	G			2		2								X										X					25011233-045
10	G402	WT	G			2		2								X						X				X					25011233-046
11	G403	WT	G			2		2								X						X				X					25011233-047
12	G404	WT	G			2		2								X						X				X					25011233-048
13	G405	WT	G			2		2								X						X				X					25011233-049
14	G406	WT	G			2		2								X						X				X					25011233-050
15	G407	WT	G			2		2								X						X				X					25011233-051
16	G410	WT	G			2		2																		X					25011233-052

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-25Q1 Rev 0	<i>[Signature]</i>	2-11	1300	<i>[Signature]</i>	2-11-25	1300		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:	<i>Brian Voelker</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>	DATE Signed (MM/DD/YY):	2-11-25		

25011233

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Rich Speraneo; Richard.Speraneo@vistracorp.com**
Jason Grieve; Jason.Grieve@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **1940106781-003**

Section C Invoice Information:

Attention: **Brian Voelker**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **6** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)												Ra226/228, only									
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX	CODE	DATE	TIME	UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	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-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No. / Lab I.D.
1	G411	WT	G			2		2																	X				25011233-053
2	L201	WT	G	2/11/25	1018	0												X											N/A
3	L202	WT	G	2/11/25	1022	0												X											N/A
4	L203	WT	G	2/11/25	1028	0												X											N/A
5	NE Riser	WT	G	2/11/25	951	0										X						X							N/A
6	R104	WT	G			0													X							X			N/A
7	R201	WT	G			2		2							X		X					X				X			25011233-054
8	R205	WT	G			0																			X				N/A
9	SG-02	WT	G			0								X	X			X	X										N/A
10	SG-03	WT	G			0								X	X			X	X										N/A
11	T127	WT	G			0											X	X											N/A
12	T128	WT	G			0												X											N/A
13	X201	WT	G	2/11/25	1010	0										X							X						N/A
14	XPW01	WT	G	2-11-25	1020	0								X					X										N/A
15	XPW02	WT	G	2-11-25	1039	0								X					X										N/A
16	XSG-01	WT	G			0								X					X										N/A

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **Brian Voelker**

SIGNATURE of SAMPLER: **Brian Voelker**

DATE Signed
(MM/DD/YY): **2-11-25**

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.

Invoice Information:

Page: 7 of

[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) 2/11/25				

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

[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 Cannell					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2/28/25				

PH✓ 101358

 $\sqrt{2/8}$

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 3/12/2025 3:22:23 PM

JOB DESCRIPTION

Radium-226 and Radium-228
25011233

JOB NUMBER

160-57201-1

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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



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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1

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

Job ID: 160-57201-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 25011233

Report Number: 160-57201-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Receipt

The samples were received on 2/14/2025 11:30 AM. 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 14.9°C, 15.5°C, 16.4°C, 16.4°C, 16.9°C and 17.1°C.

Method 903.0 - Radium-226 (GFPC)

Samples 25011233-001 (160-57201-1), 25011233-002 (160-57201-2), 25011233-003 (160-57201-3), 25011233-004 (160-57201-4), 25011233-005 (160-57201-5), 25011233-006 (160-57201-6), 25011233-007 (160-57201-7), 25011233-008 (160-57201-8), 25011233-009 (160-57201-9), 25011233-010 (160-57201-10), 25011233-011 (160-57201-11), 25011233-012 (160-57201-12), 25011233-013 (160-57201-13), 25011233-014 (160-57201-14), 25011233-015 (160-57201-15), 25011233-016 (160-57201-16), 25011233-017 (160-57201-17), 25011233-018 (160-57201-18), 25011233-019 (160-57201-19), 25011233-021 (160-57201-20), 25011233-022 (160-57201-21), 25011233-024 (160-57201-22), 25011233-025 (160-57201-23), 25011233-026 (160-57201-24), 25011233-027 (160-57201-25), 25011233-028 (160-57201-26), 25011233-029 (160-57201-27), 25011233-030 (160-57201-28), 25011233-031 (160-57201-29), 25011233-032 (160-57201-30), 25011233-033 (160-57201-31), 25011233-034 (160-57201-32), 25011233-036 (160-57201-33), 25011233-037 (160-57201-34), 25011233-038 (160-57201-35), 25011233-039 (160-57201-36), 25011233-040 (160-57201-37), 25011233-041 (160-57201-38), 25011233-042 (160-57201-39), 25011233-043

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1

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

Job ID: 160-57201-1

Job ID: 160-57201-1 (Continued)

Eurofins St. Louis

(160-57201-40), 25011233-044 (160-57201-41), 25011233-045 (160-57201-42), 25011233-046 (160-57201-43), 25011233-047 (160-57201-44), 25011233-048 (160-57201-45), 25011233-049 (160-57201-46), 25011233-050 (160-57201-47), 25011233-051 (160-57201-48), 25011233-052 (160-57201-49), 25011233-053 (160-57201-50), 25011233-054 (160-57201-51), 25011233-055 (160-57201-52), 25011233-056 (160-57201-53), 25011233-057 (160-57201-54), 25011233-058 (160-57201-55) and 25011233-059 (160-57201-56) were analyzed for Radium-226 (GFPC). The samples were prepared on 2/18/2025 and analyzed on 3/8/2025 and 3/12/2025.

Method 904.0 - Radium-228 (GFPC)

Samples 25011233-001 (160-57201-1), 25011233-002 (160-57201-2), 25011233-003 (160-57201-3), 25011233-004 (160-57201-4), 25011233-005 (160-57201-5), 25011233-006 (160-57201-6), 25011233-007 (160-57201-7), 25011233-008 (160-57201-8), 25011233-009 (160-57201-9), 25011233-010 (160-57201-10), 25011233-011 (160-57201-11), 25011233-012 (160-57201-12), 25011233-013 (160-57201-13), 25011233-014 (160-57201-14), 25011233-015 (160-57201-15), 25011233-016 (160-57201-16), 25011233-017 (160-57201-17), 25011233-018 (160-57201-18), 25011233-019 (160-57201-19), 25011233-021 (160-57201-20), 25011233-022 (160-57201-21), 25011233-024 (160-57201-22), 25011233-025 (160-57201-23), 25011233-026 (160-57201-24), 25011233-027 (160-57201-25), 25011233-028 (160-57201-26), 25011233-029 (160-57201-27), 25011233-030 (160-57201-28), 25011233-031 (160-57201-29), 25011233-032 (160-57201-30), 25011233-033 (160-57201-31), 25011233-034 (160-57201-32), 25011233-036 (160-57201-33), 25011233-037 (160-57201-34), 25011233-038 (160-57201-35), 25011233-039 (160-57201-36), 25011233-040 (160-57201-37), 25011233-041 (160-57201-38), 25011233-042 (160-57201-39), 25011233-043 (160-57201-40), 25011233-044 (160-57201-41), 25011233-045 (160-57201-42), 25011233-046 (160-57201-43), 25011233-047 (160-57201-44), 25011233-048 (160-57201-45), 25011233-049 (160-57201-46), 25011233-050 (160-57201-47), 25011233-051 (160-57201-48), 25011233-052 (160-57201-49), 25011233-053 (160-57201-50), 25011233-054 (160-57201-51), 25011233-055 (160-57201-52), 25011233-056 (160-57201-53), 25011233-057 (160-57201-54), 25011233-058 (160-57201-55) and 25011233-059 (160-57201-56) were analyzed for Radium-228 (GFPC). The samples were prepared on 2/18/2025 and analyzed on 3/8/2025, 3/10/2025 and 3/11/2025.

Batch 160-703453:

The detection goal was not met for the following sample due to a reduced sample volume used in prep attributed to the presence of matrix interferences. 25011233-006 (160-57201-6)

The following samples did not meet the detection goal :25011233-004 (160-57201-4) . The barium carrier recovery was slightly lower than normal (though within QC limits) contributing to the elevated MDC. The sample activity falls below both the RL and MDC, therefore the laboratory does not believe this excursion negatively affects the data. The data have been reported with this narrative.

Batch 160-703457:

The laboratory control sample and (LCS) associated with the following samples recovered at 129%: 25011233-043 (160-57201-40), 25011233-044 (160-57201-41), 25011233-045 (160-57201-42), 25011233-046 (160-57201-43), 25011233-047 (160-57201-44), 25011233-048 (160-57201-45), 25011233-049 (160-57201-46), 25011233-050 (160-57201-47), 25011233-051 (160-57201-48), 25011233-052 (160-57201-49), 25011233-053 (160-57201-50), 25011233-054 (160-57201-51), 25011233-055 (160-57201-52), 25011233-056 (160-57201-53), 25011233-057 (160-57201-54), 25011233-058 (160-57201-55), 25011233-059 (160-57201-56) and (160-57201-B-51-B DU). The limits in our LIMS system at (75%-125%) reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68-154%). The LCS is within criteria and no further action is required.

Batch 160-703455:

The detection goal was not met for the following samples due to the reduction of sample size required by the presence of matrix interferences (discoloration noted by the prep analyst): 25011233-021 (160-57201-20), 25011233-026 (160-57201-24) and 25011233-031 (160-57201-29). Analytical results are reported with the detection limit achieved.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 25011233-001 (160-57201-1), 25011233-002 (160-57201-2), 25011233-006 (160-57201-6), 25011233-008 (160-57201-8), 25011233-009 (160-57201-9), 25011233-010 (160-57201-10), 25011233-011 (160-57201-11), 25011233-012 (160-57201-12), 25011233-013 (160-57201-13), 25011233-014 (160-57201-14), 25011233-015 (160-57201-15), 25011233-016 (160-57201-16), 25011233-017 (160-57201-17), 25011233-018 (160-57201-18), 25011233-019 (160-57201-19), 25011233-021 (160-57201-20), 25011233-022 (160-57201-21), 25011233-024 (160-57201-22), 25011233-025 (160-57201-23), 25011233-026 (160-57201-24), 25011233-027 (160-57201-25), 25011233-028 (160-57201-26), 25011233-029 (160-57201-27), 25011233-030 (160-57201-28), 25011233-031 (160-57201-29), 25011233-032 (160-57201-30), 25011233-033 (160-57201-31), 25011233-034 (160-57201-32), 25011233-036 (160-57201-33), 25011233-037 (160-57201-34), 25011233-038 (160-57201-35), 25011233-039 (160-57201-36), 25011233-040 (160-57201-37), 25011233-041 (160-57201-38), 25011233-042 (160-57201-39), 25011233-043 (160-57201-40), 25011233-044 (160-57201-41), 25011233-045 (160-57201-42), 25011233-046 (160-57201-43), 25011233-047 (160-57201-44), 25011233-048 (160-57201-45), 25011233-049 (160-57201-46), 25011233-050 (160-57201-47), 25011233-051 (160-57201-48), 25011233-052 (160-57201-49), 25011233-053 (160-57201-50), 25011233-054 (160-57201-51), 25011233-055

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1

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

Job ID: 160-57201-1 (Continued)

Eurofins St. Louis

(160-57201-52), 25011233-056 (160-57201-53), 25011233-057 (160-57201-54), 25011233-058 (160-57201-55) and 25011233-059 (160-57201-56) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 3/12/2025.

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TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: 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# 25011233

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Billing/PO: 37890

Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	25011233-001	2/10/25 1349	HNO3	Groundwater	☒	☒	☒
	25011233-002	2/10/25 1238	HNO3	Groundwater	☒	☒	☒
	25011233-003	2/4/25 1047	HNO3	Groundwater	☒	☒	☒
	25011233-004	2/4/25 1006	HNO3	Groundwater	☒	☒	☒
	25011233-005	2/4/25 1226	HNO3	Groundwater	☒	☒	☒
	25011233-006	2/4/25 1148	HNO3	Groundwater	☒	☒	☒
	25011233-007	2/6/25 1243	HNO3	Groundwater	☒	☒	☒
	25011233-008	2/10/25 0939	HNO3	Groundwater	☒	☒	☒
	25011233-009	2/6/25 0944	HNO3	Groundwater	☒	☒	☒
	25011233-010	2/6/25 0913	HNO3	Groundwater	☒	☒	☒
	25011233-011	2/6/25 1120	HNO3	Groundwater	☒	☒	☒



160-57201 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
Uma O...	2-14-25 / 1142	Original...	2-14-25 / 1142
	2-14-25 / 1144		2-14-25 / 1130

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

Pg 4 of 6

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Cooler Temp: Sampler:

Comments:	Please issue reports and invoices via email only
	Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
	Method changes require Teklab authorization. Samples collected from an IL site.
	Batch QC is required for all analyses requested. Vistra-EDD requested.

Phone: (618) 344-1004 ext. 33

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

[illegible]

*Relinquished By	Date/Time	Received By	Date/Time
<i>Wm. A. Gables</i>	<i>2-14-25 / 10:12</i>	<i>[Signature]</i>	<i>2-14-25 / 10:12</i>
<i>[Signature]</i>	<i>2-14-25 / 11:27</i>	<i>[Signature]</i>	<i>2-14-25 / 11:36</i>

Pg 5 of 6

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Cooler Temp:		Sampler:	Teklab Sampling Team

Comments:	Please issue reports and invoices via email only
	Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
	Method changes require Teklab authorization. Samples collected from an IL site.
	Batch QC is required for all analyses requested. Vistra-EDD requested.

Phone: (618) 344-1004 ext. 33

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	25011233-045	2/10/25 1406	HNO3	Groundwater
	25011233-046	2/10/25 1321	HNO3	Groundwater
	25011233-047	2/6/25 1149	HNO3	Groundwater
	25011233-048	2/6/25 1124	HNO3	Groundwater
	25011233-049	2/5/25 1207	HNO3	Groundwater
	25011233-050	2/6/25 1221	HNO3	Groundwater
	25011233-051	2/6/25 1301	HNO3	Groundwater
	25011233-052	2/6/25 1337	HNO3	Groundwater
	25011233-053	2/7/25 0959	HNO3	Groundwater
	25011233-054	2/10/25 1017	HNO3	Groundwater
	25011233-055	2/11/25 1101	HNO3	Aqueous

*Relinquished By	Date/Time	Received By	Date/Time
Sharon Sullivan	2-14-25 / 1042	Sharon Sullivan	2-14-25 / 1042
Sharon Sullivan	2-14-25 / 1114	Sharon Sullivan	2-14-25 / 11:30

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-57201-1

SDG Number: 25011233

Login Number: 57201

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

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

Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
COP-845-10
SDG: 25011233

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-57201-1	25011233-001	Water	02/10/25 13:49	02/14/25 11:30
160-57201-2	25011233-002	Water	02/10/25 12:38	02/14/25 11:30
160-57201-3	25011233-003	Water	02/04/25 10:47	02/14/25 11:30
160-57201-4	25011233-004	Water	02/04/25 10:06	02/14/25 11:30
160-57201-5	25011233-005	Water	02/04/25 12:26	02/14/25 11:30
160-57201-6	25011233-006	Water	02/04/25 11:48	02/14/25 11:30
160-57201-7	25011233-007	Water	02/06/25 12:43	02/14/25 11:30
160-57201-8	25011233-008	Water	02/10/25 09:39	02/14/25 11:30
160-57201-9	25011233-009	Water	02/06/25 09:44	02/14/25 11:30
160-57201-10	25011233-010	Water	02/06/25 09:13	02/14/25 11:30
160-57201-11	25011233-011	Water	02/06/25 11:20	02/14/25 11:30
160-57201-12	25011233-012	Water	02/05/25 13:12	02/14/25 11:30
160-57201-13	25011233-013	Water	02/05/25 12:47	02/14/25 11:30
160-57201-14	25011233-014	Water	02/04/25 14:10	02/14/25 11:30
160-57201-15	25011233-015	Water	02/04/25 13:03	02/14/25 11:30
160-57201-16	25011233-016	Water	02/07/25 09:01	02/14/25 11:30
160-57201-17	25011233-017	Water	02/11/25 11:17	02/14/25 11:30
160-57201-18	25011233-018	Water	02/11/25 09:50	02/14/25 11:30
160-57201-19	25011233-019	Water	02/05/25 09:39	02/14/25 11:30
160-57201-20	25011233-021	Water	02/05/25 11:15	02/14/25 11:30
160-57201-21	25011233-022	Water	02/05/25 11:47	02/14/25 11:30
160-57201-22	25011233-024	Water	02/06/25 13:56	02/14/25 11:30
160-57201-23	25011233-025	Water	02/06/25 14:23	02/14/25 11:30
160-57201-24	25011233-026	Water	02/05/25 11:37	02/14/25 11:30
160-57201-25	25011233-027	Water	02/10/25 13:27	02/14/25 11:30
160-57201-26	25011233-028	Water	02/10/25 13:54	02/14/25 11:30
160-57201-27	25011233-029	Water	02/11/25 09:48	02/14/25 11:30
160-57201-28	25011233-030	Water	02/07/25 10:17	02/14/25 11:30
160-57201-29	25011233-031	Water	02/07/25 09:51	02/14/25 11:30
160-57201-30	25011233-032	Water	02/10/25 11:23	02/14/25 11:30
160-57201-31	25011233-033	Water	02/10/25 12:21	02/14/25 11:30
160-57201-32	25011233-034	Water	02/10/25 10:14	02/14/25 11:30
160-57201-33	25011233-036	Water	02/10/25 09:17	02/14/25 11:30
160-57201-34	25011233-037	Water	02/10/25 12:35	02/14/25 11:30
160-57201-35	25011233-038	Water	02/07/25 09:30	02/14/25 11:30
160-57201-36	25011233-039	Water	02/10/25 11:26	02/14/25 11:30
160-57201-37	25011233-040	Water	02/11/25 10:24	02/14/25 11:30
160-57201-38	25011233-041	Water	02/07/25 08:58	02/14/25 11:30
160-57201-39	25011233-042	Water	02/06/25 14:31	02/14/25 11:30
160-57201-40	25011233-043	Water	02/10/25 10:48	02/14/25 11:30
160-57201-41	25011233-044	Water	02/10/25 12:07	02/14/25 11:30
160-57201-42	25011233-045	Water	02/10/25 14:06	02/14/25 11:30
160-57201-43	25011233-046	Water	02/10/25 13:21	02/14/25 11:30
160-57201-44	25011233-047	Water	02/06/25 11:49	02/14/25 11:30
160-57201-45	25011233-048	Water	02/06/25 11:24	02/14/25 11:30
160-57201-46	25011233-049	Water	02/05/25 12:07	02/14/25 11:30
160-57201-47	25011233-050	Water	02/06/25 12:21	02/14/25 11:30
160-57201-48	25011233-051	Water	02/06/25 13:01	02/14/25 11:30
160-57201-49	25011233-052	Water	02/06/25 13:37	02/14/25 11:30
160-57201-50	25011233-053	Water	02/07/25 09:59	02/14/25 11:30
160-57201-51	25011233-054	Water	02/10/25 10:17	02/14/25 11:30
160-57201-52	25011233-055	Water	02/11/25 11:01	02/14/25 11:30
160-57201-53	25011233-056	Water	02/10/25 10:17	02/14/25 11:30
160-57201-54	25011233-057	Water	02/10/25 11:23	02/14/25 11:30

Sample Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-57201-55	25011233-058	Water	02/06/25 14:31	02/14/25 11:30
160-57201-56	25011233-059	Water	02/06/25 13:37	02/14/25 11:30

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-001

Lab Sample ID: 160-57201-1

Date Collected: 02/10/25 13:49

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0904	U	0.111	0.111	1.00	0.182	pCi/L	02/18/25 07:46	03/12/25 07:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	63.9		30 - 110					02/18/25 07:46	03/12/25 07:27	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.540	U	0.479	0.481	1.00	0.755	pCi/L	02/18/25 07:50	03/08/25 11:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	63.9		30 - 110					02/18/25 07:50	03/08/25 11:14	1
Y Carrier	80.7		30 - 110					02/18/25 07:50	03/08/25 11:14	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.630	U	0.492	0.494	5.00	0.755	pCi/L		03/12/25 14:38	1

Client Sample ID: 25011233-002

Lab Sample ID: 160-57201-2

Date Collected: 02/10/25 12:38

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.300		0.177	0.179	1.00	0.227	pCi/L	02/18/25 07:46	03/12/25 07:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.4		30 - 110					02/18/25 07:46	03/12/25 07:27	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.692	U	0.551	0.555	1.00	0.848	pCi/L	02/18/25 07:50	03/08/25 11:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	72.4		30 - 110					02/18/25 07:50	03/08/25 11:14	1
Y Carrier	78.9		30 - 110					02/18/25 07:50	03/08/25 11:14	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.991		0.579	0.583	5.00	0.848	pCi/L		03/12/25 14:38	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-003

Lab Sample ID: 160-57201-3

Date Collected: 02/04/25 10:47

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112	U	0.104	0.105	1.00	0.160	pCi/L	02/18/25 07:46	03/12/25 07:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					02/18/25 07:46	03/12/25 07:27	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.125	U	0.377	0.377	1.00	0.668	pCi/L	02/18/25 07:50	03/08/25 11:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					02/18/25 07:50	03/08/25 11:14	1
Y Carrier	78.9		30 - 110					02/18/25 07:50	03/08/25 11:14	1

Client Sample ID: 25011233-004

Lab Sample ID: 160-57201-4

Date Collected: 02/04/25 10:06

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.182	U	0.181	0.182	1.00	0.280	pCi/L	02/18/25 07:46	03/12/25 07:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	38.6		30 - 110					02/18/25 07:46	03/12/25 07:28	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.645	U G	0.780	0.782	1.00	1.29	pCi/L	02/18/25 07:50	03/08/25 11:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	38.6		30 - 110					02/18/25 07:50	03/08/25 11:15	1
Y Carrier	75.1		30 - 110					02/18/25 07:50	03/08/25 11:15	1

Client Sample ID: 25011233-005

Lab Sample ID: 160-57201-5

Date Collected: 02/04/25 12:26

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.160		0.109	0.110	1.00	0.150	pCi/L	02/18/25 07:46	03/12/25 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					02/18/25 07:46	03/12/25 07:38	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-005

Lab Sample ID: 160-57201-5

Date Collected: 02/04/25 12:26

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0902	U	0.336	0.336	1.00	0.603	pCi/L	02/18/25 07:50	03/08/25 11:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					02/18/25 07:50	03/08/25 11:15	1
Y Carrier	79.6		30 - 110					02/18/25 07:50	03/08/25 11:15	1

Client Sample ID: 25011233-006

Lab Sample ID: 160-57201-6

Date Collected: 02/04/25 11:48

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.204	U	0.181	0.182	1.00	0.265	pCi/L	02/18/25 07:46	03/12/25 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					02/18/25 07:46	03/12/25 07:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.390	U G	0.801	0.802	1.00	1.38	pCi/L	02/18/25 07:50	03/08/25 11:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					02/18/25 07:50	03/08/25 11:15	1
Y Carrier	79.6		30 - 110					02/18/25 07:50	03/08/25 11:15	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.594	U	0.821	0.822	5.00	1.38	pCi/L		03/12/25 14:38	1

Client Sample ID: 25011233-007

Lab Sample ID: 160-57201-7

Date Collected: 02/06/25 12:43

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.128	U	0.113	0.114	1.00	0.170	pCi/L	02/18/25 07:46	03/12/25 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.6		30 - 110					02/18/25 07:46	03/12/25 07:38	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-007

Lab Sample ID: 160-57201-7

Date Collected: 02/06/25 12:43

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.275	U	0.404	0.405	1.00	0.683	pCi/L	02/18/25 07:50	03/08/25 11:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.6		30 - 110					02/18/25 07:50	03/08/25 11:15	1
Y Carrier	80.7		30 - 110					02/18/25 07:50	03/08/25 11:15	1

Client Sample ID: 25011233-008

Lab Sample ID: 160-57201-8

Date Collected: 02/10/25 09:39

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.114	U	0.106	0.107	1.00	0.162	pCi/L	02/18/25 07:46	03/12/25 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.6		30 - 110					02/18/25 07:46	03/12/25 07:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0909	U	0.356	0.356	1.00	0.641	pCi/L	02/18/25 07:50	03/08/25 11:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.6		30 - 110					02/18/25 07:50	03/08/25 11:15	1
Y Carrier	77.4		30 - 110					02/18/25 07:50	03/08/25 11:15	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.205	U	0.371	0.372	5.00	0.641	pCi/L		03/12/25 14:38	1

Client Sample ID: 25011233-009

Lab Sample ID: 160-57201-9

Date Collected: 02/06/25 09:44

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.142	U	0.119	0.120	1.00	0.180	pCi/L	02/18/25 07:46	03/12/25 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					02/18/25 07:46	03/12/25 07:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-009

Lab Sample ID: 160-57201-9

Date Collected: 02/06/25 09:44

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.483	U	0.379	0.382	1.00	0.586	pCi/L	02/18/25 07:50	03/08/25 11:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					02/18/25 07:50	03/08/25 11:15	1
Y Carrier	79.3		30 - 110					02/18/25 07:50	03/08/25 11:15	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.625		0.397	0.400	5.00	0.586	pCi/L		03/12/25 14:38	1

Client Sample ID: 25011233-010

Lab Sample ID: 160-57201-10

Date Collected: 02/06/25 09:13

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.271		0.145	0.148	1.00	0.185	pCi/L	02/18/25 07:46	03/12/25 07:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.1		30 - 110					02/18/25 07:46	03/12/25 07:38	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.521	U	0.415	0.418	1.00	0.641	pCi/L	02/18/25 07:50	03/08/25 11:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	77.1		30 - 110					02/18/25 07:50	03/08/25 11:15	1
Y Carrier	78.1		30 - 110					02/18/25 07:50	03/08/25 11:15	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.792		0.440	0.443	5.00	0.641	pCi/L		03/12/25 14:38	1

Client Sample ID: 25011233-011

Lab Sample ID: 160-57201-11

Date Collected: 02/06/25 11:20

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.226		0.135	0.136	1.00	0.181	pCi/L	02/18/25 07:46	03/12/25 07:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-011

Lab Sample ID: 160-57201-11

Date Collected: 02/06/25 11:20

Matrix: Water

Date Received: 02/14/25 11:30

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110	02/18/25 07:46	03/12/25 07:38	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	0.731		0.416	0.422	1.00	0.591	pCi/L	02/18/25 07:50	03/08/25 11:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110					02/18/25 07:50	03/08/25 11:17	1
Y Carrier	75.1		30 - 110					02/18/25 07:50	03/08/25 11:17	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.957		0.437	0.443	5.00	0.591	pCi/L		03/12/25 14:38	1

Client Sample ID: 25011233-012

Lab Sample ID: 160-57201-12

Date Collected: 02/05/25 13:12

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.183		0.125	0.126	1.00	0.176	pCi/L	02/18/25 07:46	03/12/25 07:38	1
Carrier	%Yield	Qualifier						Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					02/18/25 07:46	03/12/25 07:38	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	0.409	U	0.304	0.306	1.00	0.454	pCi/L	02/18/25 07:50	03/08/25 11:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					02/18/25 07:50	03/08/25 11:17	1
Y Carrier	82.2		30 - 110					02/18/25 07:50	03/08/25 11:17	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.592		0.329	0.331	5.00	0.454	pCi/L		03/12/25 14:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-013

Lab Sample ID: 160-57201-13

Date Collected: 02/05/25 12:47

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0475	U	0.0805	0.0806	1.00	0.142	pCi/L	02/18/25 07:46	03/12/25 07:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					02/18/25 07:46	03/12/25 07:39	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	0.0537	U	0.284	0.285	1.00	0.523	pCi/L	02/18/25 07:50	03/08/25 11:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					02/18/25 07:50	03/08/25 11:17	1
Y Carrier	82.2		30 - 110					02/18/25 07:50	03/08/25 11:17	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.101	U	0.295	0.296	5.00	0.523	pCi/L		03/12/25 14:38	1

Client Sample ID: 25011233-014

Lab Sample ID: 160-57201-14

Date Collected: 02/04/25 14:10

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.317		0.137	0.140	1.00	0.142	pCi/L	02/18/25 07:46	03/12/25 07:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110					02/18/25 07:46	03/12/25 07:39	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	0.302	U	0.343	0.344	1.00	0.561	pCi/L	02/18/25 07:50	03/08/25 11:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.9		30 - 110					02/18/25 07:50	03/08/25 11:17	1
Y Carrier	81.1		30 - 110					02/18/25 07:50	03/08/25 11:17	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.619		0.369	0.371	5.00	0.561	pCi/L		03/12/25 14:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-015

Date Collected: 02/04/25 13:03

Date Received: 02/14/25 11:30

Lab Sample ID: 160-57201-15

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	0.156		0.101	0.102	1.00	0.130	pCi/L	02/18/25 07:46	03/12/25 07:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					02/18/25 07:46	03/12/25 07:39	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	0.281	U	0.309	0.310	1.00	0.503	pCi/L	02/18/25 07:50	03/08/25 11:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					02/18/25 07:50	03/08/25 11:17	1
Y Carrier	83.0		30 - 110					02/18/25 07:50	03/08/25 11:17	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.437	U	0.325	0.326	5.00	0.503	pCi/L		03/12/25 14:38	1

Client Sample ID: 25011233-016

Date Collected: 02/07/25 09:01

Date Received: 02/14/25 11:30

Lab Sample ID: 160-57201-16

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	0.151		0.102	0.103	1.00	0.136	pCi/L	02/18/25 07:46	03/12/25 07:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					02/18/25 07:46	03/12/25 07:39	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	0.345	U	0.315	0.317	1.00	0.497	pCi/L	02/18/25 07:50	03/08/25 11:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					02/18/25 07:50	03/08/25 11:17	1
Y Carrier	82.2		30 - 110					02/18/25 07:50	03/08/25 11:17	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.496	U	0.331	0.333	5.00	0.497	pCi/L		03/12/25 14:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-017

Lab Sample ID: 160-57201-17

Date Collected: 02/11/25 11:17

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.190	U	0.148	0.149	1.00	0.220	pCi/L	02/18/25 07:46	03/12/25 07:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110					02/18/25 07:46	03/12/25 07:39	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	0.0958	U	0.342	0.342	1.00	0.616	pCi/L	02/18/25 07:50	03/08/25 11:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110					02/18/25 07:50	03/08/25 11:25	1
Y Carrier	79.3		30 - 110					02/18/25 07:50	03/08/25 11:25	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.286	U	0.373	0.373	5.00	0.616	pCi/L		03/12/25 14:38	1

Client Sample ID: 25011233-018

Lab Sample ID: 160-57201-18

Date Collected: 02/11/25 09:50

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0773	U	0.0951	0.0954	1.00	0.157	pCi/L	02/18/25 07:46	03/12/25 07:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.6		30 - 110					02/18/25 07:46	03/12/25 07:39	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	-0.0313	U	0.355	0.355	1.00	0.669	pCi/L	02/18/25 07:50	03/08/25 11:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.6		30 - 110					02/18/25 07:50	03/08/25 11:25	1
Y Carrier	77.0		30 - 110					02/18/25 07:50	03/08/25 11:25	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0773	U	0.368	0.368	5.00	0.669	pCi/L		03/12/25 14:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-019

Lab Sample ID: 160-57201-19

Date Collected: 02/05/25 09:39

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.147	U	0.121	0.122	1.00	0.181	pCi/L	02/18/25 07:46	03/12/25 07:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					02/18/25 07:46	03/12/25 07:39	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	0.0955	U	0.326	0.326	1.00	0.581	pCi/L	02/18/25 07:50	03/08/25 11:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.8		30 - 110					02/18/25 07:50	03/08/25 11:25	1
Y Carrier	83.0		30 - 110					02/18/25 07:50	03/08/25 11:25	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.243	U	0.348	0.348	5.00	0.581	pCi/L		03/12/25 14:38	1

Client Sample ID: 25011233-021

Lab Sample ID: 160-57201-20

Date Collected: 02/05/25 11:15

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.440		0.304	0.307	1.00	0.435	pCi/L	02/18/25 07:52	03/12/25 07:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.1		30 - 110					02/18/25 07:52	03/12/25 07:35	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.43	G	0.771	0.783	1.00	1.10	pCi/L	02/18/25 07:55	03/11/25 13:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.1		30 - 110					02/18/25 07:55	03/11/25 13:46	1
Y Carrier	81.1		30 - 110					02/18/25 07:55	03/11/25 13:46	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.87		0.829	0.841	5.00	1.10	pCi/L		03/12/25 14:42	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-022

Lab Sample ID: 160-57201-21

Date Collected: 02/05/25 11:47

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.305		0.192	0.193	1.00	0.255	pCi/L	02/18/25 07:52	03/12/25 07:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					02/18/25 07:52	03/12/25 07:35	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.183	U	0.321	0.321	1.00	0.660	pCi/L	02/18/25 07:55	03/11/25 13:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					02/18/25 07:55	03/11/25 13:46	1
Y Carrier	83.0		30 - 110					02/18/25 07:55	03/11/25 13:46	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.305	U	0.374	0.375	5.00	0.660	pCi/L		03/12/25 14:42	1

Client Sample ID: 25011233-024

Lab Sample ID: 160-57201-22

Date Collected: 02/06/25 13:56

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.227	U	0.189	0.190	1.00	0.279	pCi/L	02/18/25 07:52	03/12/25 07:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.9		30 - 110					02/18/25 07:52	03/12/25 07:35	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0888	U	0.395	0.395	1.00	0.723	pCi/L	02/18/25 07:55	03/11/25 13:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.9		30 - 110					02/18/25 07:55	03/11/25 13:55	1
Y Carrier	78.9		30 - 110					02/18/25 07:55	03/11/25 13:55	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	0.315	U	0.438	0.438	5.00	0.723	pCi/L		03/12/25 14:42	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-025

Date Collected: 02/06/25 14:23

Date Received: 02/14/25 11:30

Lab Sample ID: 160-57201-23

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	0.344	U	0.252	0.254	1.00	0.371	pCi/L	02/18/25 07:52	03/12/25 07:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					02/18/25 07:52	03/12/25 07:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.453	U	0.356	0.359	1.00	0.803	pCi/L	02/18/25 07:55	03/11/25 13:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					02/18/25 07:55	03/11/25 13:55	1
Y Carrier	83.4		30 - 110					02/18/25 07:55	03/11/25 13:55	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	0.344	U	0.436	0.440	5.00	0.803	pCi/L		03/12/25 14:42	1

Client Sample ID: 25011233-026

Date Collected: 02/05/25 11:37

Date Received: 02/14/25 11:30

Lab Sample ID: 160-57201-24

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	0.168	U	0.275	0.275	1.00	0.479	pCi/L	02/18/25 07:52	03/12/25 07:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	62.2		30 - 110					02/18/25 07:52	03/12/25 07:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.140	U G	0.766	0.766	1.00	1.39	pCi/L	02/18/25 07:55	03/11/25 13:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	62.2		30 - 110					02/18/25 07:55	03/11/25 13:55	1
Y Carrier	83.4		30 - 110					02/18/25 07:55	03/11/25 13:55	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	0.308	U	0.814	0.814	5.00	1.39	pCi/L		03/12/25 14:42	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-027

Lab Sample ID: 160-57201-25

Date Collected: 02/10/25 13:27

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.408		0.238	0.241	1.00	0.310	pCi/L	02/18/25 07:52	03/12/25 07:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.4		30 - 110					02/18/25 07:52	03/12/25 07:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.415	U	0.457	0.458	1.00	0.745	pCi/L	02/18/25 07:55	03/11/25 13:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.4		30 - 110					02/18/25 07:55	03/11/25 13:56	1
Y Carrier	85.2		30 - 110					02/18/25 07:55	03/11/25 13:56	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	0.823		0.515	0.518	5.00	0.745	pCi/L		03/12/25 14:42	1

Client Sample ID: 25011233-028

Lab Sample ID: 160-57201-26

Date Collected: 02/10/25 13:54

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.109	U	0.140	0.140	1.00	0.232	pCi/L	02/18/25 07:52	03/12/25 09:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					02/18/25 07:52	03/12/25 09:28	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.232	U	0.386	0.387	1.00	0.662	pCi/L	02/18/25 07:55	03/11/25 13:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					02/18/25 07:55	03/11/25 13:56	1
Y Carrier	83.4		30 - 110					02/18/25 07:55	03/11/25 13:56	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	0.341	U	0.411	0.412	5.00	0.662	pCi/L		03/12/25 14:42	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-029

Lab Sample ID: 160-57201-27

Date Collected: 02/11/25 09:48

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.568		0.252	0.257	1.00	0.275	pCi/L	02/18/25 07:52	03/12/25 09:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.9		30 - 110					02/18/25 07:52	03/12/25 09:28	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.150	U	0.541	0.542	1.00	0.968	pCi/L	02/18/25 07:55	03/11/25 13:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.9		30 - 110					02/18/25 07:55	03/11/25 13:56	1
Y Carrier	74.8		30 - 110					02/18/25 07:55	03/11/25 13:56	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	0.718	U	0.597	0.600	5.00	0.968	pCi/L		03/12/25 14:42	1

Client Sample ID: 25011233-030

Lab Sample ID: 160-57201-28

Date Collected: 02/07/25 10:17

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.146	U	0.217	0.218	1.00	0.370	pCi/L	02/18/25 07:52	03/12/25 09:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.9		30 - 110					02/18/25 07:52	03/12/25 09:28	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.421	U	0.463	0.465	1.00	0.754	pCi/L	02/18/25 07:55	03/11/25 13:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.9		30 - 110					02/18/25 07:55	03/11/25 13:56	1
Y Carrier	77.8		30 - 110					02/18/25 07:55	03/11/25 13:56	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	0.567	U	0.511	0.514	5.00	0.754	pCi/L		03/12/25 14:42	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-031

Lab Sample ID: 160-57201-29

Date Collected: 02/07/25 09:51

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0469	U	0.238	0.238	1.00	0.504	pCi/L	02/18/25 07:52	03/12/25 09:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	62.2		30 - 110					02/18/25 07:52	03/12/25 09:28	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0944	U G	0.902	0.902	1.00	1.68	pCi/L	02/18/25 07:55	03/11/25 13:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	62.2		30 - 110					02/18/25 07:55	03/11/25 13:56	1
Y Carrier	76.6		30 - 110					02/18/25 07:55	03/11/25 13:56	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	0.000	U	0.933	0.933	5.00	1.68	pCi/L		03/12/25 14:42	1

Client Sample ID: 25011233-032

Lab Sample ID: 160-57201-30

Date Collected: 02/10/25 11:23

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0612	U	0.137	0.137	1.00	0.253	pCi/L	02/18/25 07:52	03/12/25 09:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.4		30 - 110					02/18/25 07:52	03/12/25 09:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.148	U	0.422	0.422	1.00	0.751	pCi/L	02/18/25 07:55	03/11/25 13:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.4		30 - 110					02/18/25 07:55	03/11/25 13:56	1
Y Carrier	81.9		30 - 110					02/18/25 07:55	03/11/25 13:56	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	0.210	U	0.444	0.444	5.00	0.751	pCi/L		03/12/25 14:42	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-033

Lab Sample ID: 160-57201-31

Date Collected: 02/10/25 12:21

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.138	U	0.157	0.157	1.00	0.252	pCi/L	02/18/25 07:52	03/12/25 09:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.6		30 - 110					02/18/25 07:52	03/12/25 09:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0918	U	0.424	0.424	1.00	0.766	pCi/L	02/18/25 07:55	03/11/25 13:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.6		30 - 110					02/18/25 07:55	03/11/25 13:50	1
Y Carrier	80.7		30 - 110					02/18/25 07:55	03/11/25 13:50	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	0.230	U	0.452	0.452	5.00	0.766	pCi/L		03/12/25 14:42	1

Client Sample ID: 25011233-034

Lab Sample ID: 160-57201-32

Date Collected: 02/10/25 10:14

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.170	U	0.141	0.142	1.00	0.195	pCi/L	02/18/25 07:52	03/12/25 09:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					02/18/25 07:52	03/12/25 09:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.297	U	0.389	0.390	1.00	0.805	pCi/L	02/18/25 07:55	03/11/25 13:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					02/18/25 07:55	03/11/25 13:50	1
Y Carrier	80.4		30 - 110					02/18/25 07:55	03/11/25 13:50	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	0.170	U	0.414	0.415	5.00	0.805	pCi/L		03/12/25 14:42	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-036

Lab Sample ID: 160-57201-33

Date Collected: 02/10/25 09:17

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.374		0.223	0.226	1.00	0.292	pCi/L	02/18/25 07:52	03/12/25 09:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.6		30 - 110					02/18/25 07:52	03/12/25 09:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.894		0.562	0.568	1.00	0.827	pCi/L	02/18/25 07:55	03/11/25 13:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.6		30 - 110					02/18/25 07:55	03/11/25 13:51	1
Y Carrier	78.1		30 - 110					02/18/25 07:55	03/11/25 13:51	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	1.27		0.605	0.611	5.00	0.827	pCi/L		03/12/25 14:42	1

Client Sample ID: 25011233-037

Lab Sample ID: 160-57201-34

Date Collected: 02/10/25 12:35

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0966	U	0.156	0.156	1.00	0.271	pCi/L	02/18/25 07:52	03/12/25 09:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.6		30 - 110					02/18/25 07:52	03/12/25 09:29	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.533	U	0.439	0.441	1.00	0.966	pCi/L	02/18/25 07:55	03/11/25 13:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.6		30 - 110					02/18/25 07:55	03/11/25 13:51	1
Y Carrier	72.5		30 - 110					02/18/25 07:55	03/11/25 13:51	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	0.0966	U	0.466	0.468	5.00	0.966	pCi/L		03/12/25 14:42	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-038

Lab Sample ID: 160-57201-35

Date Collected: 02/07/25 09:30

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.140	U	0.154	0.154	1.00	0.245	pCi/L	02/18/25 07:52	03/12/25 09:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110					02/18/25 07:52	03/12/25 09:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.266	U	0.435	0.436	1.00	0.744	pCi/L	02/18/25 07:55	03/11/25 13:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110					02/18/25 07:55	03/11/25 13:51	1
Y Carrier	77.4		30 - 110					02/18/25 07:55	03/11/25 13:51	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	0.405	U	0.461	0.462	5.00	0.744	pCi/L		03/12/25 14:42	1

Client Sample ID: 25011233-039

Lab Sample ID: 160-57201-36

Date Collected: 02/10/25 11:26

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0926	U	0.127	0.127	1.00	0.214	pCi/L	02/18/25 07:52	03/12/25 09:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					02/18/25 07:52	03/12/25 09:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.212	U	0.361	0.362	1.00	0.623	pCi/L	02/18/25 07:55	03/11/25 13:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					02/18/25 07:55	03/11/25 13:51	1
Y Carrier	81.1		30 - 110					02/18/25 07:55	03/11/25 13:51	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	0.304	U	0.383	0.384	5.00	0.623	pCi/L		03/12/25 14:42	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-040

Lab Sample ID: 160-57201-37

Date Collected: 02/11/25 10:24

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0400	U	0.131	0.131	1.00	0.251	pCi/L	02/18/25 07:52	03/12/25 09:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					02/18/25 07:52	03/12/25 09:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.223	U	0.303	0.303	1.00	0.645	pCi/L	02/18/25 07:55	03/11/25 13:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					02/18/25 07:55	03/11/25 13:51	1
Y Carrier	83.7		30 - 110					02/18/25 07:55	03/11/25 13:51	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	0.0400	U	0.330	0.330	5.00	0.645	pCi/L		03/12/25 14:42	1

Client Sample ID: 25011233-041

Lab Sample ID: 160-57201-38

Date Collected: 02/07/25 08:58

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.299		0.197	0.199	1.00	0.266	pCi/L	02/18/25 07:52	03/12/25 09:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					02/18/25 07:52	03/12/25 09:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.489	U	0.473	0.475	1.00	0.759	pCi/L	02/18/25 07:55	03/11/25 13:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					02/18/25 07:55	03/11/25 13:51	1
Y Carrier	81.9		30 - 110					02/18/25 07:55	03/11/25 13:51	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	0.789		0.512	0.515	5.00	0.759	pCi/L		03/12/25 14:42	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-042

Lab Sample ID: 160-57201-39

Date Collected: 02/06/25 14:31

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.539		0.238	0.243	1.00	0.256	pCi/L	02/18/25 07:52	03/12/25 09:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.4		30 - 110					02/18/25 07:52	03/12/25 09:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.325	U	0.534	0.535	1.00	0.908	pCi/L	02/18/25 07:55	03/11/25 13:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.4		30 - 110					02/18/25 07:55	03/11/25 13:51	1
Y Carrier	81.1		30 - 110					02/18/25 07:55	03/11/25 13:51	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	0.864	U	0.585	0.588	5.00	0.908	pCi/L		03/12/25 14:42	1

Client Sample ID: 25011233-043

Lab Sample ID: 160-57201-40

Date Collected: 02/10/25 10:48

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.182	U	0.151	0.152	1.00	0.222	pCi/L	02/18/25 07:58	03/12/25 09:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.6		30 - 110					02/18/25 07:58	03/12/25 09:41	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	-0.175	U	0.442	0.442	1.00	0.893	pCi/L	02/18/25 08:02	03/10/25 14:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.6		30 - 110					02/18/25 08:02	03/10/25 14:02	1
Y Carrier	71.0		30 - 110					02/18/25 08:02	03/10/25 14:02	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	0.182	U	0.467	0.467	5.00	0.893	pCi/L		03/12/25 14:46	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-044

Lab Sample ID: 160-57201-41

Date Collected: 02/10/25 12:07

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.179	U	0.145	0.146	1.00	0.213	pCi/L	02/18/25 07:58	03/12/25 09:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					02/18/25 07:58	03/12/25 09:41	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	0.601	U	0.541	0.544	1.00	0.857	pCi/L	02/18/25 08:02	03/10/25 14:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					02/18/25 08:02	03/10/25 14:02	1
Y Carrier	74.8		30 - 110					02/18/25 08:02	03/10/25 14:02	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	0.779	U	0.560	0.563	5.00	0.857	pCi/L		03/12/25 14:46	1

Client Sample ID: 25011233-045

Lab Sample ID: 160-57201-42

Date Collected: 02/10/25 14:06

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.133	U	0.151	0.152	1.00	0.245	pCi/L	02/18/25 07:58	03/12/25 09:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					02/18/25 07:58	03/12/25 09:41	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	0.501	U	0.543	0.545	1.00	0.887	pCi/L	02/18/25 08:02	03/10/25 14:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					02/18/25 08:02	03/10/25 14:02	1
Y Carrier	80.4		30 - 110					02/18/25 08:02	03/10/25 14:02	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	0.634	U	0.564	0.566	5.00	0.887	pCi/L		03/12/25 14:46	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-046

Lab Sample ID: 160-57201-43

Date Collected: 02/10/25 13:21

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0858	U	0.133	0.134	1.00	0.230	pCi/L	02/18/25 07:58	03/12/25 09:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.6		30 - 110					02/18/25 07:58	03/12/25 09:41	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	0.333	U	0.489	0.490	1.00	0.826	pCi/L	02/18/25 08:02	03/10/25 14:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.6		30 - 110					02/18/25 08:02	03/10/25 14:02	1
Y Carrier	77.8		30 - 110					02/18/25 08:02	03/10/25 14:02	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	0.419	U	0.507	0.508	5.00	0.826	pCi/L		03/12/25 14:46	1

Client Sample ID: 25011233-047

Lab Sample ID: 160-57201-44

Date Collected: 02/06/25 11:49

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.201	U	0.155	0.156	1.00	0.228	pCi/L	02/18/25 07:58	03/12/25 09:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					02/18/25 07:58	03/12/25 09:41	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	0.364	U	0.470	0.471	1.00	0.782	pCi/L	02/18/25 08:02	03/10/25 14:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					02/18/25 08:02	03/10/25 14:03	1
Y Carrier	75.5		30 - 110					02/18/25 08:02	03/10/25 14:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.565	U	0.495	0.496	5.00	0.782	pCi/L		03/12/25 14:46	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-048

Lab Sample ID: 160-57201-45

Date Collected: 02/06/25 11:24

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.148	U	0.142	0.143	1.00	0.222	pCi/L	02/18/25 07:58	03/12/25 09:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					02/18/25 07:58	03/12/25 09:41	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	0.221	U	0.426	0.427	1.00	0.738	pCi/L	02/18/25 08:02	03/10/25 14:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					02/18/25 08:02	03/10/25 14:03	1
Y Carrier	78.1		30 - 110					02/18/25 08:02	03/10/25 14:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.369	U	0.449	0.450	5.00	0.738	pCi/L		03/12/25 14:46	1

Client Sample ID: 25011233-049

Lab Sample ID: 160-57201-46

Date Collected: 02/05/25 12:07

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.106	U	0.118	0.118	1.00	0.188	pCi/L	02/18/25 07:58	03/12/25 09:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110					02/18/25 07:58	03/12/25 09:41	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	0.0452	U	0.417	0.417	1.00	0.771	pCi/L	02/18/25 08:02	03/10/25 14:03	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110					02/18/25 08:02	03/10/25 14:03	1
Y Carrier	76.3		30 - 110					02/18/25 08:02	03/10/25 14:03	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.151	U	0.433	0.433	5.00	0.771	pCi/L		03/12/25 14:46	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-050

Lab Sample ID: 160-57201-47

Date Collected: 02/06/25 12:21

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0923	U	0.107	0.108	1.00	0.173	pCi/L	02/18/25 07:58	03/12/25 09:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					02/18/25 07:58	03/12/25 09:41	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	0.255	U	0.425	0.426	1.00	0.729	pCi/L	02/18/25 08:02	03/10/25 14:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					02/18/25 08:02	03/10/25 14:05	1
Y Carrier	72.9		30 - 110					02/18/25 08:02	03/10/25 14:05	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	0.348	U	0.438	0.439	5.00	0.729	pCi/L		03/12/25 14:46	1

Client Sample ID: 25011233-051

Lab Sample ID: 160-57201-48

Date Collected: 02/06/25 13:01

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112	U	0.116	0.116	1.00	0.180	pCi/L	02/18/25 07:58	03/12/25 09:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					02/18/25 07:58	03/12/25 09:41	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	0.590	U	0.439	0.442	1.00	0.655	pCi/L	02/18/25 08:02	03/10/25 14:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					02/18/25 08:02	03/10/25 14:05	1
Y Carrier	76.3		30 - 110					02/18/25 08:02	03/10/25 14:05	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	0.702		0.454	0.457	5.00	0.655	pCi/L		03/12/25 14:46	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-052

Lab Sample ID: 160-57201-49

Date Collected: 02/06/25 13:37

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.162	U	0.130	0.131	1.00	0.185	pCi/L	02/18/25 07:58	03/12/25 09:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					02/18/25 07:58	03/12/25 09:41	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	0.850		0.521	0.527	1.00	0.753	pCi/L	02/18/25 08:02	03/10/25 14:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					02/18/25 08:02	03/10/25 14:05	1
Y Carrier	75.5		30 - 110					02/18/25 08:02	03/10/25 14:05	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	1.01		0.537	0.543	5.00	0.753	pCi/L		03/12/25 14:46	1

Client Sample ID: 25011233-053

Lab Sample ID: 160-57201-50

Date Collected: 02/07/25 09:59

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.113	U	0.163	0.163	1.00	0.276	pCi/L	02/18/25 07:58	03/12/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					02/18/25 07:58	03/12/25 09:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.191	U	0.475	0.475	1.00	0.842	pCi/L	02/18/25 08:02	03/10/25 14:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					02/18/25 08:02	03/10/25 14:05	1
Y Carrier	66.9		30 - 110					02/18/25 08:02	03/10/25 14:05	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	0.304	U	0.502	0.502	5.00	0.842	pCi/L		03/12/25 14:46	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-054

Lab Sample ID: 160-57201-51

Date Collected: 02/10/25 10:17

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.288		0.162	0.165	1.00	0.206	pCi/L	02/18/25 07:58	03/12/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.1		30 - 110					02/18/25 07:58	03/12/25 09:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.308	U	0.475	0.476	1.00	0.809	pCi/L	02/18/25 08:02	03/10/25 14:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.1		30 - 110					02/18/25 08:02	03/10/25 14:05	1
Y Carrier	70.7		30 - 110					02/18/25 08:02	03/10/25 14:05	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	0.596	U	0.502	0.504	5.00	0.809	pCi/L		03/12/25 14:46	1

Client Sample ID: 25011233-055

Lab Sample ID: 160-57201-52

Date Collected: 02/11/25 11:01

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0411	U	0.102	0.103	1.00	0.191	pCi/L	02/18/25 07:58	03/12/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					02/18/25 07:58	03/12/25 09:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.528	U	0.476	0.478	1.00	0.752	pCi/L	02/18/25 08:02	03/10/25 14:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					02/18/25 08:02	03/10/25 14:15	1
Y Carrier	74.4		30 - 110					02/18/25 08:02	03/10/25 14:15	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.569	U	0.487	0.489	5.00	0.752	pCi/L		03/12/25 14:46	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-056

Lab Sample ID: 160-57201-53

Date Collected: 02/10/25 10:17

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.505		0.229	0.234	1.00	0.289	pCi/L	02/18/25 07:58	03/12/25 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.1		30 - 110					02/18/25 07:58	03/12/25 09:42	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.708	U	0.613	0.617	1.00	0.967	pCi/L	02/18/25 08:02	03/10/25 14:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.1		30 - 110					02/18/25 08:02	03/10/25 14:15	1
Y Carrier	70.3		30 - 110					02/18/25 08:02	03/10/25 14:15	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-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		0.654	0.660	5.00	0.967	pCi/L		03/12/25 14:46	1

Client Sample ID: 25011233-057

Lab Sample ID: 160-57201-54

Date Collected: 02/10/25 11:23

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0120	U	0.100	0.100	1.00	0.216	pCi/L	02/18/25 07:58	03/12/25 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.4		30 - 110					02/18/25 07:58	03/12/25 09:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.147	U	0.508	0.508	1.00	0.987	pCi/L	02/18/25 08:02	03/10/25 14:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.4		30 - 110					02/18/25 08:02	03/10/25 14:15	1
Y Carrier	70.3		30 - 110					02/18/25 08:02	03/10/25 14:15	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.000	U	0.518	0.518	5.00	0.987	pCi/L		03/12/25 14:46	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Client Sample ID: 25011233-058

Lab Sample ID: 160-57201-55

Date Collected: 02/06/25 14:31

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.538		0.197	0.202	1.00	0.200	pCi/L	02/18/25 07:58	03/12/25 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					02/18/25 07:58	03/12/25 09:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.19		0.604	0.614	1.00	0.849	pCi/L	02/18/25 08:02	03/10/25 14:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					02/18/25 08:02	03/10/25 14:15	1
Y Carrier	74.8		30 - 110					02/18/25 08:02	03/10/25 14:15	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-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		0.635	0.646	5.00	0.849	pCi/L		03/12/25 14:46	1

Client Sample ID: 25011233-059

Lab Sample ID: 160-57201-56

Date Collected: 02/06/25 13:37

Matrix: Water

Date Received: 02/14/25 11:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.206	U	0.153	0.154	1.00	0.217	pCi/L	02/18/25 07:58	03/12/25 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					02/18/25 07:58	03/12/25 09:36	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.00731	U	0.473	0.473	1.00	0.890	pCi/L	02/18/25 08:02	03/10/25 14:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					02/18/25 08:02	03/10/25 14:16	1
Y Carrier	76.3		30 - 110					02/18/25 08:02	03/10/25 14:16	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.206	U	0.497	0.497	5.00	0.890	pCi/L		03/12/25 14:46	1

Eurofins St. Louis

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-703452/1-A
Matrix: Water
Analysis Batch: 707379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703452

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1077		0.0781	0.0786	1.00	0.102	pCi/L	02/18/25 07:46	03/12/25 07:26	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					02/18/25 07:46	03/12/25 07:26	1

Lab Sample ID: LCS 160-703452/2-A
Matrix: Water
Analysis Batch: 707379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703452

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.749		1.09	1.00	0.155	pCi/L	102	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	85.1		30 - 110							

Lab Sample ID: 160-57201-1 DU
Matrix: Water
Analysis Batch: 707379

Client Sample ID: 25011233-001
Prep Type: Total/NA
Prep Batch: 703452

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0904	U	0.1959		0.116	1.00	0.141	pCi/L	0.46	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	78.6		30 - 110							

Lab Sample ID: MB 160-703454/1-A
Matrix: Water
Analysis Batch: 707380

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703454

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03696	U	0.133	0.133	1.00	0.257	pCi/L	02/18/25 07:52	03/12/25 07:41	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					02/18/25 07:52	03/12/25 07:41	1

Lab Sample ID: LCS 160-703454/2-A
Matrix: Water
Analysis Batch: 707380

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703454

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.759		1.24	1.00	0.361	pCi/L	102	75 - 125

Eurofins St. Louis

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-703454/2-A
Matrix: Water
Analysis Batch: 707380

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703454

LCS LCS			
Carrier	%Yield	Qualifier	Limits
Ba Carrier	86.1		30 - 110

Lab Sample ID: 160-57201-21 DU
Matrix: Water
Analysis Batch: 707381

Client Sample ID: 25011233-022
Prep Type: Total/NA
Prep Batch: 703454

		Sample Sample		DU DU		Total				RER	
Analyte	Result	Qual		Result	Qual	Uncert. (2σ+/-)	RL	MDC	Unit	RER	Limit
Radium-226	0.305			0.1381	U	0.166	1.00	0.271	pCi/L	0.47	1
DU DU											
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	85.3		30 - 110								

Lab Sample ID: MB 160-703456/1-A
Matrix: Water
Analysis Batch: 707380

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703456

		MB MB		Count	Total						
Analyte	Result	Qualifier		Uncert. (2σ+/-)	Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.08198	U		0.115	0.115	1.00	0.194	pCi/L	02/18/25 07:58	03/12/25 09:40	1
MB MB											
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	87.8		30 - 110								
				Prepared		Analyzed		Dil Fac			
				02/18/25 07:58		03/12/25 09:40		1			

Lab Sample ID: LCS 160-703456/2-A
Matrix: Water
Analysis Batch: 707380

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703456

		Spike	LCS	LCS	Total						
Analyte	Result	Added	Result	Qual	Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	Limits	
Radium-226		9.58	9.444		1.13	1.00	0.173	pCi/L	99	75 - 125	
LCS LCS											
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	85.3		30 - 110								

Lab Sample ID: 160-57201-51 DU
Matrix: Water
Analysis Batch: 707380

Client Sample ID: 25011233-054
Prep Type: Total/NA
Prep Batch: 703456

		Sample Sample		DU DU		Total				RER	
Analyte	Result	Qual		Result	Qual	Uncert. (2σ+/-)	RL	MDC	Unit	RER	Limit
Radium-226	0.288			0.2518		0.170	1.00	0.235	pCi/L	0.11	1
DU DU											
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	88.6		30 - 110								

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-703453/1-A
Matrix: Water
Analysis Batch: 706626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703453

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1171	U	0.297	0.297	1.00	0.523	pCi/L	02/18/25 07:50	03/08/25 11:14	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					02/18/25 07:50	03/08/25 11:14	1
Y Carrier	83.4		30 - 110					02/18/25 07:50	03/08/25 11:14	1

Lab Sample ID: LCS 160-703453/2-A
Matrix: Water
Analysis Batch: 706626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703453

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.04	8.953		1.26	1.00	0.511	pCi/L	111	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	85.1		30 - 110							
Y Carrier	81.9		30 - 110							

Lab Sample ID: 160-57201-1 DU
Matrix: Water
Analysis Batch: 706626

Client Sample ID: 25011233-001
Prep Type: Total/NA
Prep Batch: 703453

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.540	U	0.04781	U	0.369	1.00	0.675	pCi/L	0.58	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	78.6		30 - 110							
Y Carrier	78.1		30 - 110							

Lab Sample ID: MB 160-703455/1-A
Matrix: Water
Analysis Batch: 707020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703455

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5605	U	0.448	0.451	1.00	0.686	pCi/L	02/18/25 07:55	03/11/25 14:51	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.3		30 - 110					02/18/25 07:55	03/11/25 14:51	1
Y Carrier	81.9		30 - 110					02/18/25 07:55	03/11/25 14:51	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-703455/2-A
Matrix: Water
Analysis Batch: 707020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703455

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.03	7.693		1.26	1.00	0.769	pCi/L	96	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	86.1		30 - 110							
Y Carrier	80.7		30 - 110							

Lab Sample ID: 160-57201-21 DU
Matrix: Water
Analysis Batch: 707020

Client Sample ID: 25011233-022
Prep Type: Total/NA
Prep Batch: 703455

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	-0.183	U	0.1582	U	0.311	1.00	0.546	pCi/L	0.54	1
	DU	DU								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	85.3		30 - 110							
Y Carrier	86.4		30 - 110							

Lab Sample ID: MB 160-703457/1-A
Matrix: Water
Analysis Batch: 706931

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703457

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.08004	U	0.369	0.369	1.00	0.717	pCi/L	02/18/25 08:02	03/10/25 14:00	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	87.8		30 - 110							
Y Carrier	80.7		30 - 110							

Lab Sample ID: LCS 160-703457/2-A
Matrix: Water
Analysis Batch: 706931

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703457

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.03	10.38		1.56	1.00	0.826	pCi/L	129	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	85.3		30 - 110							
Y Carrier	77.8		30 - 110							

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 160-57201-51 DU
Matrix: Water
Analysis Batch: 706931

Client Sample ID: 25011233-054
Prep Type: Total/NA
Prep Batch: 703457

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	Limit
Radium-228	0.308	U	0.3862	U	0.428	1.00	0.695	pCi/L	0.09	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	88.6		30 - 110
Y Carrier	75.1		30 - 110

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEE POWER PLANT, ASH POND NO. 1

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

Job ID: 160-57201-1
SDG: 25011233

Rad

Prep Batch: 703452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57201-1	25011233-001	Total/NA	Water	PrecSep-21	
160-57201-2	25011233-002	Total/NA	Water	PrecSep-21	
160-57201-3	25011233-003	Total/NA	Water	PrecSep-21	
160-57201-4	25011233-004	Total/NA	Water	PrecSep-21	
160-57201-5	25011233-005	Total/NA	Water	PrecSep-21	
160-57201-6	25011233-006	Total/NA	Water	PrecSep-21	
160-57201-7	25011233-007	Total/NA	Water	PrecSep-21	
160-57201-8	25011233-008	Total/NA	Water	PrecSep-21	
160-57201-9	25011233-009	Total/NA	Water	PrecSep-21	
160-57201-10	25011233-010	Total/NA	Water	PrecSep-21	
160-57201-11	25011233-011	Total/NA	Water	PrecSep-21	
160-57201-12	25011233-012	Total/NA	Water	PrecSep-21	
160-57201-13	25011233-013	Total/NA	Water	PrecSep-21	
160-57201-14	25011233-014	Total/NA	Water	PrecSep-21	
160-57201-15	25011233-015	Total/NA	Water	PrecSep-21	
160-57201-16	25011233-016	Total/NA	Water	PrecSep-21	
160-57201-17	25011233-017	Total/NA	Water	PrecSep-21	
160-57201-18	25011233-018	Total/NA	Water	PrecSep-21	
160-57201-19	25011233-019	Total/NA	Water	PrecSep-21	
MB 160-703452/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-703452/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-57201-1 DU	25011233-001	Total/NA	Water	PrecSep-21	

Prep Batch: 703453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57201-1	25011233-001	Total/NA	Water	PrecSep_0	
160-57201-2	25011233-002	Total/NA	Water	PrecSep_0	
160-57201-3	25011233-003	Total/NA	Water	PrecSep_0	
160-57201-4	25011233-004	Total/NA	Water	PrecSep_0	
160-57201-5	25011233-005	Total/NA	Water	PrecSep_0	
160-57201-6	25011233-006	Total/NA	Water	PrecSep_0	
160-57201-7	25011233-007	Total/NA	Water	PrecSep_0	
160-57201-8	25011233-008	Total/NA	Water	PrecSep_0	
160-57201-9	25011233-009	Total/NA	Water	PrecSep_0	
160-57201-10	25011233-010	Total/NA	Water	PrecSep_0	
160-57201-11	25011233-011	Total/NA	Water	PrecSep_0	
160-57201-12	25011233-012	Total/NA	Water	PrecSep_0	
160-57201-13	25011233-013	Total/NA	Water	PrecSep_0	
160-57201-14	25011233-014	Total/NA	Water	PrecSep_0	
160-57201-15	25011233-015	Total/NA	Water	PrecSep_0	
160-57201-16	25011233-016	Total/NA	Water	PrecSep_0	
160-57201-17	25011233-017	Total/NA	Water	PrecSep_0	
160-57201-18	25011233-018	Total/NA	Water	PrecSep_0	
160-57201-19	25011233-019	Total/NA	Water	PrecSep_0	
MB 160-703453/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-703453/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-57201-1 DU	25011233-001	Total/NA	Water	PrecSep_0	

Prep Batch: 703454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57201-20	25011233-021	Total/NA	Water	PrecSep-21	

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QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEE POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Rad (Continued)

Prep Batch: 703454 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57201-21	25011233-022	Total/NA	Water	PrecSep-21	
160-57201-22	25011233-024	Total/NA	Water	PrecSep-21	
160-57201-23	25011233-025	Total/NA	Water	PrecSep-21	
160-57201-24	25011233-026	Total/NA	Water	PrecSep-21	
160-57201-25	25011233-027	Total/NA	Water	PrecSep-21	
160-57201-26	25011233-028	Total/NA	Water	PrecSep-21	
160-57201-27	25011233-029	Total/NA	Water	PrecSep-21	
160-57201-28	25011233-030	Total/NA	Water	PrecSep-21	
160-57201-29	25011233-031	Total/NA	Water	PrecSep-21	
160-57201-30	25011233-032	Total/NA	Water	PrecSep-21	
160-57201-31	25011233-033	Total/NA	Water	PrecSep-21	
160-57201-32	25011233-034	Total/NA	Water	PrecSep-21	
160-57201-33	25011233-036	Total/NA	Water	PrecSep-21	
160-57201-34	25011233-037	Total/NA	Water	PrecSep-21	
160-57201-35	25011233-038	Total/NA	Water	PrecSep-21	
160-57201-36	25011233-039	Total/NA	Water	PrecSep-21	
160-57201-37	25011233-040	Total/NA	Water	PrecSep-21	
160-57201-38	25011233-041	Total/NA	Water	PrecSep-21	
160-57201-39	25011233-042	Total/NA	Water	PrecSep-21	
MB 160-703454/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-703454/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-57201-21 DU	25011233-022	Total/NA	Water	PrecSep-21	

Prep Batch: 703455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57201-20	25011233-021	Total/NA	Water	PrecSep_0	
160-57201-21	25011233-022	Total/NA	Water	PrecSep_0	
160-57201-22	25011233-024	Total/NA	Water	PrecSep_0	
160-57201-23	25011233-025	Total/NA	Water	PrecSep_0	
160-57201-24	25011233-026	Total/NA	Water	PrecSep_0	
160-57201-25	25011233-027	Total/NA	Water	PrecSep_0	
160-57201-26	25011233-028	Total/NA	Water	PrecSep_0	
160-57201-27	25011233-029	Total/NA	Water	PrecSep_0	
160-57201-28	25011233-030	Total/NA	Water	PrecSep_0	
160-57201-29	25011233-031	Total/NA	Water	PrecSep_0	
160-57201-30	25011233-032	Total/NA	Water	PrecSep_0	
160-57201-31	25011233-033	Total/NA	Water	PrecSep_0	
160-57201-32	25011233-034	Total/NA	Water	PrecSep_0	
160-57201-33	25011233-036	Total/NA	Water	PrecSep_0	
160-57201-34	25011233-037	Total/NA	Water	PrecSep_0	
160-57201-35	25011233-038	Total/NA	Water	PrecSep_0	
160-57201-36	25011233-039	Total/NA	Water	PrecSep_0	
160-57201-37	25011233-040	Total/NA	Water	PrecSep_0	
160-57201-38	25011233-041	Total/NA	Water	PrecSep_0	
160-57201-39	25011233-042	Total/NA	Water	PrecSep_0	
MB 160-703455/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-703455/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-57201-21 DU	25011233-022	Total/NA	Water	PrecSep_0	

QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEE POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

Rad

Prep Batch: 703456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57201-40	25011233-043	Total/NA	Water	PrecSep-21	
160-57201-41	25011233-044	Total/NA	Water	PrecSep-21	
160-57201-42	25011233-045	Total/NA	Water	PrecSep-21	
160-57201-43	25011233-046	Total/NA	Water	PrecSep-21	
160-57201-44	25011233-047	Total/NA	Water	PrecSep-21	
160-57201-45	25011233-048	Total/NA	Water	PrecSep-21	
160-57201-46	25011233-049	Total/NA	Water	PrecSep-21	
160-57201-47	25011233-050	Total/NA	Water	PrecSep-21	
160-57201-48	25011233-051	Total/NA	Water	PrecSep-21	
160-57201-49	25011233-052	Total/NA	Water	PrecSep-21	
160-57201-50	25011233-053	Total/NA	Water	PrecSep-21	
160-57201-51	25011233-054	Total/NA	Water	PrecSep-21	
160-57201-52	25011233-055	Total/NA	Water	PrecSep-21	
160-57201-53	25011233-056	Total/NA	Water	PrecSep-21	
160-57201-54	25011233-057	Total/NA	Water	PrecSep-21	
160-57201-55	25011233-058	Total/NA	Water	PrecSep-21	
160-57201-56	25011233-059	Total/NA	Water	PrecSep-21	
MB 160-703456/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-703456/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-57201-51 DU	25011233-054	Total/NA	Water	PrecSep-21	

Prep Batch: 703457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57201-40	25011233-043	Total/NA	Water	PrecSep_0	
160-57201-41	25011233-044	Total/NA	Water	PrecSep_0	
160-57201-42	25011233-045	Total/NA	Water	PrecSep_0	
160-57201-43	25011233-046	Total/NA	Water	PrecSep_0	
160-57201-44	25011233-047	Total/NA	Water	PrecSep_0	
160-57201-45	25011233-048	Total/NA	Water	PrecSep_0	
160-57201-46	25011233-049	Total/NA	Water	PrecSep_0	
160-57201-47	25011233-050	Total/NA	Water	PrecSep_0	
160-57201-48	25011233-051	Total/NA	Water	PrecSep_0	
160-57201-49	25011233-052	Total/NA	Water	PrecSep_0	
160-57201-50	25011233-053	Total/NA	Water	PrecSep_0	
160-57201-51	25011233-054	Total/NA	Water	PrecSep_0	
160-57201-52	25011233-055	Total/NA	Water	PrecSep_0	
160-57201-53	25011233-056	Total/NA	Water	PrecSep_0	
160-57201-54	25011233-057	Total/NA	Water	PrecSep_0	
160-57201-55	25011233-058	Total/NA	Water	PrecSep_0	
160-57201-56	25011233-059	Total/NA	Water	PrecSep_0	
MB 160-703457/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-703457/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-57201-51 DU	25011233-054	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

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)					
160-57201-1	25011233-001	63.9					
160-57201-1 DU	25011233-001	78.6					
160-57201-2	25011233-002	72.4					
160-57201-3	25011233-003	79.6					
160-57201-4	25011233-004	38.6					
160-57201-5	25011233-005	84.8					
160-57201-6	25011233-006	82.6					
160-57201-7	25011233-007	75.6					
160-57201-8	25011233-008	80.6					
160-57201-9	25011233-009	85.8					
160-57201-10	25011233-010	77.1					
160-57201-11	25011233-011	81.8					
160-57201-12	25011233-012	84.6					
160-57201-13	25011233-013	85.1					
160-57201-14	25011233-014	79.9					
160-57201-15	25011233-015	86.3					
160-57201-16	25011233-016	86.3					
160-57201-17	25011233-017	81.8					
160-57201-18	25011233-018	80.6					
160-57201-19	25011233-019	85.8					
160-57201-20	25011233-021	78.1					
160-57201-21	25011233-022	89.6					
160-57201-21 DU	25011233-022	85.3					
160-57201-22	25011233-024	78.9					
160-57201-23	25011233-025	76.4					
160-57201-24	25011233-026	62.2					
160-57201-25	25011233-027	75.4					
160-57201-26	25011233-028	89.8					
160-57201-27	25011233-029	73.9					
160-57201-28	25011233-030	78.9					
160-57201-29	25011233-031	62.2					
160-57201-30	25011233-032	79.4					
160-57201-31	25011233-033	83.6					
160-57201-32	25011233-034	81.3					
160-57201-33	25011233-036	75.6					
160-57201-34	25011233-037	75.6					
160-57201-35	25011233-038	85.6					
160-57201-36	25011233-039	90.5					
160-57201-37	25011233-040	87.3					
160-57201-38	25011233-041	82.8					
160-57201-39	25011233-042	79.4					
160-57201-40	25011233-043	76.6					
160-57201-41	25011233-044	85.1					
160-57201-42	25011233-045	83.8					
160-57201-43	25011233-046	83.6					
160-57201-44	25011233-047	88.6					
160-57201-45	25011233-048	90.5					
160-57201-46	25011233-049	85.6					
160-57201-47	25011233-050	89.6					

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Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

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)					
160-57201-48	25011233-051	82.3					
160-57201-49	25011233-052	83.8					
160-57201-50	25011233-053	84.6					
160-57201-51	25011233-054	82.1					
160-57201-51 DU	25011233-054	88.6					
160-57201-52	25011233-055	90.0					
160-57201-53	25011233-056	80.1					
160-57201-54	25011233-057	78.4					
160-57201-55	25011233-058	87.3					
160-57201-56	25011233-059	76.4					
LCS 160-703452/2-A	Lab Control Sample	85.1					
LCS 160-703454/2-A	Lab Control Sample	86.1					
LCS 160-703456/2-A	Lab Control Sample	85.3					
MB 160-703452/1-A	Method Blank	93.8					
MB 160-703454/1-A	Method Blank	87.3					
MB 160-703456/1-A	Method Blank	87.8					

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)				
160-57201-1	25011233-001	63.9	80.7				
160-57201-1 DU	25011233-001	78.6	78.1				
160-57201-2	25011233-002	72.4	78.9				
160-57201-3	25011233-003	79.6	78.9				
160-57201-4	25011233-004	38.6	75.1				
160-57201-5	25011233-005	84.8	79.6				
160-57201-6	25011233-006	82.6	79.6				
160-57201-7	25011233-007	75.6	80.7				
160-57201-8	25011233-008	80.6	77.4				
160-57201-9	25011233-009	85.8	79.3				
160-57201-10	25011233-010	77.1	78.1				
160-57201-11	25011233-011	81.8	75.1				
160-57201-12	25011233-012	84.6	82.2				
160-57201-13	25011233-013	85.1	82.2				
160-57201-14	25011233-014	79.9	81.1				
160-57201-15	25011233-015	86.3	83.0				
160-57201-16	25011233-016	86.3	82.2				
160-57201-17	25011233-017	81.8	79.3				
160-57201-18	25011233-018	80.6	77.0				
160-57201-19	25011233-019	85.8	83.0				
160-57201-20	25011233-021	78.1	81.1				
160-57201-21	25011233-022	89.6	83.0				
160-57201-21 DU	25011233-022	85.3	86.4				
160-57201-22	25011233-024	78.9	78.9				
160-57201-23	25011233-025	76.4	83.4				

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Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57201-1
SDG: 25011233

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)
160-57201-24	25011233-026	62.2	83.4
160-57201-25	25011233-027	75.4	85.2
160-57201-26	25011233-028	89.8	83.4
160-57201-27	25011233-029	73.9	74.8
160-57201-28	25011233-030	78.9	77.8
160-57201-29	25011233-031	62.2	76.6
160-57201-30	25011233-032	79.4	81.9
160-57201-31	25011233-033	83.6	80.7
160-57201-32	25011233-034	81.3	80.4
160-57201-33	25011233-036	75.6	78.1
160-57201-34	25011233-037	75.6	72.5
160-57201-35	25011233-038	85.6	77.4
160-57201-36	25011233-039	90.5	81.1
160-57201-37	25011233-040	87.3	83.7
160-57201-38	25011233-041	82.8	81.9
160-57201-39	25011233-042	79.4	81.1
160-57201-40	25011233-043	76.6	71.0
160-57201-41	25011233-044	85.1	74.8
160-57201-42	25011233-045	83.8	80.4
160-57201-43	25011233-046	83.6	77.8
160-57201-44	25011233-047	88.6	75.5
160-57201-45	25011233-048	90.5	78.1
160-57201-46	25011233-049	85.6	76.3
160-57201-47	25011233-050	89.6	72.9
160-57201-48	25011233-051	82.3	76.3
160-57201-49	25011233-052	83.8	75.5
160-57201-50	25011233-053	84.6	66.9
160-57201-51	25011233-054	82.1	70.7
160-57201-51 DU	25011233-054	88.6	75.1
160-57201-52	25011233-055	90.0	74.4
160-57201-53	25011233-056	80.1	70.3
160-57201-54	25011233-057	78.4	70.3
160-57201-55	25011233-058	87.3	74.8
160-57201-56	25011233-059	76.4	76.3
LCS 160-703453/2-A	Lab Control Sample	85.1	81.9
LCS 160-703455/2-A	Lab Control Sample	86.1	80.7
LCS 160-703457/2-A	Lab Control Sample	85.3	77.8
MB 160-703453/1-A	Method Blank	93.8	83.4
MB 160-703455/1-A	Method Blank	87.3	81.9
MB 160-703457/1-A	Method Blank	87.8	80.7

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

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JOB DESCRIPTION

Radium-226 and Radium-228
25011233

JOB NUMBER

160-57330-1

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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Authorized for release by
Erika Smith, Project Manager
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(314)298-8566

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57330-1

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

Job ID: 160-57330-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 25011233

Report Number: 160-57330-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Receipt

The sample was received on 2/28/2025 1:56 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved. The temperature of the cooler at receipt time was 5.3°C.

Method 903.0 - Radium-226 (GFPC)

Sample 25011233-035 (160-57330-1) was analyzed for Radium-226 (GFPC). The sample was prepared on 3/4/2025 and analyzed on 3/29/2025.

Method 904.0 - Radium-228 (GFPC)

Sample 25011233-035 (160-57330-1) was analyzed for Radium-228 (GFPC). The sample was prepared on 3/4/2025 and analyzed on 3/26/2025.

The detection goal was not met for the following sample due to the reduced sample volume used in prep attributed to the presence of matrix interferences: 25011233-035 (160-57330-1). Analytical results are reported with the detection limit achieved.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57330-1

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

Job ID: 160-57330-1 (Continued)

Eurofins St. Louis

Sample 25011233-035 (160-57330-1) was analyzed for Combined Radium-226 and Radium-228. The sample was analyzed on 3/31/2025.

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TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: 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#: 25011233

Contact: Elizabeth Hurley
 Requested Due Date: Standard TAT
 Email: ehurley@teklabinc.com
 Billing/PO: 37890

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
	25011233-035	2/28/25 1031	HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater

Ra226/228 ☒ Radium 226 ☐ Radium 228 ☐

160-57330 Chain of Custody

*Relinquished By: *Umar S. G. [Signature]* Date/Time: 2/28/25 1300
 Received By: *[Signature]* Date/Time: 2/28/25 1350

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA
 3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-57330-1

SDG Number: 25011233

Login Number: 57330

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

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

Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57330-1
COP-845-10
SDG: 25011233

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☀	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57330-1
SDG: 25011233

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

- Protocol References:**
- EPA = US Environmental Protection Agency
 - None = None
 - TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.
- Laboratory References:**
- EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57330-1
SDG: 25011233

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-57330-1	25011233-035	Water	02/28/25 10:31	02/28/25 13:56

- 1
- 2
- 3
- 4
- 5
- 6
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- 9
- 10
- 11
- 12

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57330-1
SDG: 25011233

Client Sample ID: 25011233-035

Lab Sample ID: 160-57330-1

Date Collected: 02/28/25 10:31

Matrix: Water

Date Received: 02/28/25 13:56

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.253	U	0.248	0.249	1.00	0.377	pCi/L	03/04/25 07:26	03/29/25 13:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	60.7		30 - 110					03/04/25 07:26	03/29/25 13:12	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	0.0706	U G	1.10	1.10	1.00	2.00	pCi/L	03/04/25 07:29	03/26/25 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	60.7		30 - 110					03/04/25 07:29	03/26/25 12:09	1
Y Carrier	80.4		30 - 110					03/04/25 07:29	03/26/25 12:09	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.324	U	1.13	1.13	5.00	2.00	pCi/L		03/31/25 12:26	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57330-1
SDG: 25011233

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-705862/1-A
Matrix: Water
Analysis Batch: 709929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705862

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02819	U	0.0845	0.0846	1.00	0.160	pCi/L	03/04/25 07:26	03/29/25 11:28	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					03/04/25 07:26	03/29/25 11:28	1

Lab Sample ID: LCS 160-705862/2-A
Matrix: Water
Analysis Batch: 709929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705862

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.041		1.04	1.00	0.205	pCi/L	94	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	89.3		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-705863/1-A
Matrix: Water
Analysis Batch: 709424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705863

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1507	U	0.328	0.329	1.00	0.572	pCi/L	03/04/25 07:29	03/26/25 12:04	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.0		30 - 110					03/04/25 07:29	03/26/25 12:04	1
Y Carrier	85.2		30 - 110					03/04/25 07:29	03/26/25 12:04	1

Lab Sample ID: LCS 160-705863/2-A
Matrix: Water
Analysis Batch: 709424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705863

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		7.99	7.817		1.13	1.00	0.489	pCi/L	98	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	89.3		30 - 110							
Y Carrier	85.6		30 - 110							

QC Association Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEE POWER PLANT, ASH POND NO. 1
Job ID: 160-57330-1
SDG: 25011233

Rad

Prep Batch: 705862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57330-1	25011233-035	Total/NA	Water	PrecSep-21	
MB 160-705862/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-705862/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 705863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57330-1	25011233-035	Total/NA	Water	PrecSep_0	
MB 160-705863/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-705863/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-57330-1
SDG: 25011233

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)					
160-57330-1	25011233-035	60.7					
LCS 160-705862/2-A	Lab Control Sample	89.3					
MB 160-705862/1-A	Method Blank	88.0					
Tracer/Carrier Legend							
Ba = Ba Carrier							

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba	Y				
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
160-57330-1	25011233-035	60.7	80.4				
LCS 160-705863/2-A	Lab Control Sample	89.3	85.6				
MB 160-705863/1-A	Method Blank	88.0	85.2				
Tracer/Carrier Legend							
Ba = Ba Carrier							
Y = Y Carrier							

Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: AP2D
Sample ID: 001
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 28 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 14:14 Static Water Level: 21.38 feet below TOC
Total Depth: 35.43 feet below TOC
Water Column: 14.05 feet

Purging Activities

Purged By: TC Purge Date: 2/10/2025
Purge Method: Peristaltic Pump Well Diameter: 4"
Purge Volume Calculation (L): 14.05 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:18	0.0	318	purge start time						
14:28	3.2	↓	6.73	1,890.40	13.48	1.27	110.50	46.35	
14:31	4.1		6.73	1,897.60	13.75	0.94	95.90	47.24	
14:34	5.1		6.74	1,902.80	13.46	0.78	85.10	46.43	
14:37	6.0		6.74	1,906.90	13.58	0.68	75.80	38.63	
14:40	7.0		6.76	1,915.00	13.52	0.61	67.60	47.01	

Sampling Activities

Sampled By: TC Sample Date/Time: 2/10/2025 14:40
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.76 pH 1,915.00 Spec. Cond. 13.52 Temp
Field Filtered: No Filter Type:
Water Level: 21.43 feet below TOC Drawdown: 0.05 feet

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

- Field Meter: 210756

Form Completed By: Tracy Carroll Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G1001
Sample ID: 002
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 28 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 13:09 Static Water Level: 5.72 feet below TOC
Total Depth: 13.79 feet below TOC
Water Column: 8.07 feet

Purging Activities

Purged By: TC Purge Date: 2/10/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $8.07 \text{ ft.} \times 0.022 = 0.18 \text{ L} \times 3 \text{ Vol.} = 0.54 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 12.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:10	0.0	308	purge start time						
13:19	2.8	↓	6.92	1,391.40	8.53	4.48	131.80	32.96	
13:22	3.7		6.91	1,387.70	8.50	3.97	132.00	35.86	
13:25	4.6		6.90	1,379.20	8.51	3.59	132.10	39.32	
13:28	5.5		6.89	1,369.50	8.64	3.17	132.20	42.01	
13:31	6.5		6.89	1,337.00	8.59	2.87	132.10	36.06	
13:34	7.4		6.88	1,276.10	8.44	2.49	132.00	31.71	
13:37	8.3		6.87	1,170.10	8.44	2.17	131.30	29.05	
13:40	9.2		6.86	1,070.20	8.45	1.89	130.50	27.26	
13:43	10.2		6.85	979.50	8.39	1.65	128.40	26.40	
13:46	11.1		6.85	899.20	8.42	1.51	124.50	23.71	
13:49	12.0		6.84	859.40	8.28	1.39	121.50	22.25	

Sampling Activities

Sampled By: TC Sample Date/Time: 2/10/2025 13:49
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.84 pH 859.40 Spec. Cond. 8.28 Temp
Field Filtered: No Filter Type:
Water Level: 9.95 feet below TOC Drawdown: 4.23 feet

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

- Field Meter: 210756

Form Completed By:

Tracy Carroll

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G1003
Sample ID: 003
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 28 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 12:17 Static Water Level: 8.40 feet below TOC
Total Depth: 11.15 feet below TOC
Water Column: 2.75 feet

Purging Activities

Purged By: TC Purge Date: 2/10/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $2.75 \text{ ft.} \times 0.022 = 0.06 \text{ L} \times 3 \text{ Vol.} = 0.18 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.50 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:21	0.0	324	purge start time						
12:26	1.6	↓	7.57	350.10	8.19	10.99	82.70	17.34	
12:29	2.6		7.46	348.60	8.20	10.96	88.10	19.60	
12:32	3.6		7.40	349.50	8.29	10.91	92.20	24.06	
12:35	4.5		7.36	345.30	8.40	10.85	95.80	31.71	
12:38	5.5		7.33	341.00	8.49	10.74	99.40	21.64	

Sampling Activities

Sampled By: TC Sample Date/Time: 2/10/2025 12:38
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.33 pH 341.00 Spec. Cond. 8.49 Temp
Field Filtered: No Filter Type:
Water Level: 9.86 feet below TOC Drawdown: 1.46 feet

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

- Field Meter: 210756

Form Completed By:

Tracy Carroll

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G101
Sample ID: 004
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 42 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 12:39 Static Water Level: 4.42 feet below TOC
Total Depth: 24.30 feet below TOC
Water Column: 19.88 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $19.88 \text{ ft.} \times 0.022 = 0.44 \text{ L} \times 3 \text{ Vol.} = 1.32 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:40	0.0	176	purge start time						
12:45	0.9	↓	7.30	872.50	11.90	2.58	116.60	58.10	
12:48	1.4		7.28	873.70	11.79	2.04	121.90	53.39	
12:51	1.9		7.27	873.40	11.78	1.83	124.90	34.35	
12:54	2.5		7.27	873.10	11.85	1.74	126.90	26.71	
12:57	3.0		7.27	872.90	11.94	1.64	128.40	23.12	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 12:57
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.27 pH 872.90 Spec. Cond. 11.94 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 4.42 feet below TOC Drawdown: 0.00 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G102
Sample ID: 005
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 8:06 Static Water Level: 4.55 feet below TOC
Total Depth: 20.00 feet below TOC
Water Column: 15.45 feet

Purging Activities

Purged By: JC Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $15.45 \text{ ft.} \times 0.022 = 0.34 \text{ L} \times 3 \text{ Vol.} = 1.02 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:06	0.0	235	purge start time						
8:10	0.9	↓	7.32	549.00	10.77	3.46	64.00	53.66	
8:13	1.6		7.30	546.50	10.91	3.32	66.50	81.61	
8:16	2.4		7.29	551.00	10.81	3.42	68.50	96.27	
8:19	3.1		7.29	556.60	10.96	3.36	70.20	55.93	
8:22	3.8		7.29	559.90	11.11	3.20	71.30	72.70	
8:25	4.5		7.29	562.00	11.06	3.07	72.40	46.77	
8:28	5.2		7.29	566.10	11.04	3.22	73.30	16.54	
8:31	5.9		7.29	566.90	11.17	3.73	73.80	44.00	
8:34	6.6		7.29	568.90	11.19	3.37	74.60	40.84	
8:37	7.3		7.29	570.90	11.22	3.04	75.20	43.27	
8:40	8.0		7.29	571.60	11.24	2.97	75.60	43.21	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/5/2025 8:40
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.29 pH 571.60 Spec. Cond. 11.24 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 5.52 feet below TOC Drawdown: 0.97 feet

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

- Field Meter: 50115

Form Completed By:


Justin Colp

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1 Monitoring Point: G103
Project Location: Coffeen, Illinois Sample ID: 006
W.O. Number (s): 25011232 Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 44 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 13:03 Static Water Level: 10.81 feet below TOC
Total Depth: 26.90 feet below TOC
Water Column: 16.09 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.09 ft. x 0.022 = 0.35 L x 3 Vol. = 1.05 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 9.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:04	0.0	243	purge start time						
13:08	1.0	↓	7.21	856.30	13.57	4.64	118.80	2.28	
13:11	1.7		7.21	848.20	13.71	4.72	106.80	2.68	
13:14	2.4		7.19	846.70	13.53	4.48	107.00	3.28	
13:17	3.2		7.15	847.10	13.47	4.09	110.80	4.12	
13:20	3.9		7.12	848.20	13.45	3.70	114.50	4.44	
13:23	4.6		7.09	848.90	13.69	3.36	117.90	4.84	
13:26	5.4		7.08	851.00	13.71	3.14	121.00	6.96	
13:29	6.1		7.06	851.80	13.67	2.90	123.90	8.52	
13:32	6.8		7.05	854.20	13.68	2.64	126.20	10.48	
13:35	7.5		7.04	855.10	13.59	2.42	128.20	11.49	
13:38	8.3		7.03	855.50	13.65	2.26	130.00	13.30	
13:41	9.0		7.02	856.50	13.75	2.11	131.20	14.57	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 13:41
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.02 pH 856.50 Spec. Cond. 13.75 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 13.84 feet below TOC Drawdown: 3.03 feet

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

- Field Meter: 50115

Form Completed By:




Date: 2/4/2025

Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G105
Sample ID: 007
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 44 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 14:13 Static Water Level: 9.41 feet below TOC
Total Depth: 27.70 feet below TOC
Water Column: 18.29 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $18.29 \text{ ft.} \times 0.022 = 0.4 \text{ L} \times 3 \text{ Vol.} = 1.2 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:13	0.0	267	purge start time						
14:16	0.8	↓	7.10	824.80	13.17	2.82	22.30	13.18	
14:19	1.6		7.10	821.00	12.85	1.15	-70.60	5.00	
14:22	2.4		7.11	818.30	13.00	0.95	-92.70	3.75	
14:25	3.2		7.11	814.10	12.99	0.86	-101.10	2.53	
14:28	4.0		7.11	812.80	13.07	0.81	-106.30	1.74	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 14:28
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.11 pH 812.80 Spec. Cond. 13.07 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.21 feet below TOC Drawdown: 0.80 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G106
Sample ID: 008
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 44 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 14:35 Static Water Level: 8.53 feet below TOC
Total Depth: 25.60 feet below TOC
Water Column: 17.07 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 17.07 ft. x 0.022 = 0.38 L x 3 Vol. = 1.14 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:36	0.0	214	purge start time						
14:41	1.1	↓	7.12	924.00	11.59	4.99	2.80	2.39	
14:44	1.7		7.12	925.90	11.43	4.78	12.50	1.67	
14:47	2.4		7.12	925.10	11.43	4.72	20.00	1.45	
14:50	3.0		7.12	925.40	11.31	4.70	26.20	1.28	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 14:50
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.12 pH 925.40 Spec. Cond. 11.31 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 8.98 feet below TOC Drawdown: 0.45 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G107
Sample ID: 009
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 10:46 Static Water Level: 9.59 feet below TOC
Total Depth: 22.70 feet below TOC
Water Column: 13.11 feet

Purging Activities

Purged By: JC Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $13.11 \text{ ft.} \times 0.022 = 0.29 \text{ L} \times 3 \text{ Vol.} = 0.87 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:46	0.0	240	purge start time						
10:50	1.0	↓	7.41	761.50	11.69	6.58	47.60	6.43	
10:53	1.7		7.39	759.90	11.66	6.12	51.20	8.30	
10:56	2.4		7.37	759.70	11.60	5.87	54.50	9.02	
10:59	3.1		7.36	757.60	11.75	5.58	57.50	9.75	
11:02	3.8		7.34	757.60	11.77	5.39	60.10	8.65	
11:05	4.6		7.34	757.70	11.94	5.26	62.40	7.74	
11:08	5.3		7.33	757.40	12.03	5.05	64.40	7.58	
11:11	6.0		7.32	756.50	12.06	4.90	66.20	7.20	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/5/2025 11:11
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.32 pH 756.50 Spec. Cond. 12.06 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 13.16 feet below TOC Drawdown: 3.57 feet

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

- Field Meter: 50115

Form Completed By: 

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G108
Sample ID: 010
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 8:52 Static Water Level: 10.09 feet below TOC
Total Depth: 26.60 feet below TOC
Water Column: 16.51 feet

Purging Activities

Purged By: JC Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.51 ft. x 0.022 = 0.36 L x 3 Vol. = 1.08 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:52	0.0	233	purge start time						
8:58	1.4	↓	7.33	737.90	12.69	5.51	89.40	6.67	
9:01	2.1		7.33	738.80	12.72	5.24	89.80	5.92	
9:04	2.8		7.30	738.70	12.60	4.75	90.60	6.01	
9:07	3.5		7.27	739.70	12.71	4.07	91.40	4.83	
9:10	4.2		7.25	739.80	12.76	3.68	91.80	3.38	
9:13	4.9		7.23	739.00	12.80	3.26	92.20	3.22	
9:16	5.6		7.21	740.50	12.62	2.88	92.60	2.52	
9:19	6.3		7.20	739.50	12.30	2.59	93.00	2.50	
9:22	7.0		7.20	739.10	12.21	2.47	93.20	2.20	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/5/2025 9:22
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.20 pH 739.10 Spec. Cond. 12.21 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.52 feet below TOC Drawdown: 1.43 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G109
Sample ID: 011
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 9:34 Static Water Level: 10.34 feet below TOC
Total Depth: 26.30 feet below TOC
Water Column: 15.96 feet

Purging Activities

Purged By: JC Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 15.96 ft. x 0.022 = 0.35 L x 3 Vol. = 1.05 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:34	0.0	219	purge start time						
9:38	0.9	↓	7.00	945.60	11.99	2.56	-39.90	17.82	
9:41	1.5		7.01	942.00	12.15	1.40	-18.70	14.38	
9:44	2.2		7.01	941.30	12.22	1.19	-6.90	19.35	
9:47	2.8		7.01	942.20	12.12	1.12	-0.60	23.59	
9:50	3.5		7.01	942.30	12.00	1.05	4.70	25.60	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/5/2025 9:50
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.01 pH 942.30 Spec. Cond. 12.00 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.83 feet below TOC Drawdown: 0.49 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date:

2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G110
Sample ID: 012
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 9:55 Static Water Level: 11.28 feet below TOC
Total Depth: 27.50 feet below TOC
Water Column: 16.22 feet

Purging Activities

Purged By: JC Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.22 ft. x 0.022 = 0.36 L x 3 Vol. = 1.08 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:57	0.0	233	purge start time						
10:00	0.7	↓	6.92	894.20	12.33	2.30	40.70	5.10	
10:03	1.4		6.90	892.10	12.52	1.95	48.10	8.16	
10:06	2.1		6.90	895.00	12.56	1.76	52.90	8.80	
10:09	2.8		6.90	895.70	12.46	1.60	56.50	8.44	
10:12	3.5		6.90	898.80	12.38	1.52	59.10	7.35	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/5/2025 10:12
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.90 pH 898.80 Spec. Cond. 12.38 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.76 feet below TOC Drawdown: 0.48 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G111
Sample ID: 013
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 10:18 Static Water Level: 12.88 feet below TOC
Total Depth: 24.30 feet below TOC
Water Column: 11.42 feet

Purging Activities

Purged By: JC Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.42 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:19	0.0	289	purge start time						
10:23	1.2	↓	7.12	904.30	13.21	2.53	-28.20	1.44	
10:26	2.0		7.11	892.90	13.28	2.17	-17.60	1.84	
10:29	2.9		7.09	890.30	13.32	1.81	-4.00	2.29	
10:32	3.8		7.09	888.10	13.47	1.57	7.60	1.16	
10:35	4.6		7.08	887.50	13.48	1.44	16.60	0.86	
10:38	5.5		7.08	889.20	13.22	1.44	23.50	0.76	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/5/2025 10:38
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.08 pH 889.20 Spec. Cond. 13.22 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 13.42 feet below TOC Drawdown: 0.54 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G119
Sample ID: 014
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 8:46 Static Water Level: 14.67 feet below TOC
Total Depth: 27.40 feet below TOC
Water Column: 12.73 feet

Purging Activities

Purged By: JC Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $12.73 \text{ ft.} \times 0.022 = 0.28 \text{ L} \times 3 \text{ Vol.} = 0.84 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:46	0.0	231	purge start time						
8:54	1.8	↓	7.15	592.10	13.86	3.85	114.20	1.75	
8:57	2.5		7.17	590.80	12.22	3.62	112.40	1.60	
9:00	3.2		7.17	585.40	12.08	3.36	112.40	1.91	
9:03	3.9		7.16	585.70	11.99	2.86	112.80	2.01	
9:06	4.6		7.15	585.20	12.08	2.27	113.00	2.24	
9:09	5.3		7.14	585.20	12.29	1.94	112.90	1.65	
9:12	6.0		7.14	584.50	12.52	1.90	112.70	1.49	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/6/2025 9:12
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.14 pH 584.50 Spec. Cond. 12.52 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.35 feet below TOC Drawdown: 0.68 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G120
Sample ID: 015
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 9:18 Static Water Level: 14.76 feet below TOC
Total Depth: 26.70 feet below TOC
Water Column: 11.94 feet

Purging Activities

Purged By: JC Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.94 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:19	0.0	235	purge start time						
9:27	1.9	↓	7.14	725.50	12.99	6.49	120.70	4.79	
9:30	2.6		7.14	726.70	13.06	6.63	121.00	4.37	
9:33	3.3		7.14	726.80	12.73	6.66	121.10	4.16	
9:36	4.0		7.13	727.30	12.88	6.66	121.40	3.52	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/6/2025 9:36
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.13 pH 727.30 Spec. Cond. 12.88 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.10 feet below TOC Drawdown: 0.34 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G121
Sample ID: 016
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 9:43 Static Water Level: 15.71 feet below TOC
Total Depth: 29.10 feet below TOC
Water Column: 13.39 feet

Purging Activities

Purged By: JC Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $13.39 \text{ ft.} \times 0.022 = 0.29 \text{ L} \times 3 \text{ Vol.} = 0.87 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:44	0.0	182	purge start time						
9:48	0.7	↓	7.05	806.70	12.74	5.27	125.60	10.34	
9:51	1.3		7.08	802.20	11.41	5.54	125.60	8.17	
9:54	1.8		7.09	798.90	10.73	5.98	126.10	5.73	
9:57	2.4		7.10	799.10	10.11	6.22	126.70	4.56	
10:00	2.9		7.10	799.40	9.52	6.32	127.30	4.03	
10:03	3.5		7.11	799.70	8.85	6.41	127.80	3.47	
10:06	4.0		7.11	799.70	8.29	6.49	128.30	3.01	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/6/2025 10:06
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.11 pH 799.70 Spec. Cond. 8.29 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.82 feet below TOC Drawdown: 1.11 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G122
Sample ID: 017
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 10:13 Static Water Level: 14.37 feet below TOC
Total Depth: 26.50 feet below TOC
Water Column: 12.13 feet

Purging Activities

Purged By: JC Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.13 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:14	0.0	182	purge start time						
10:18	0.7	↓	6.91	927.20	12.01	4.64	133.20	10.44	
10:21	1.3		6.89	910.50	12.07	4.55	132.10	7.95	
10:24	1.8		6.88	905.80	12.12	4.42	131.50	8.90	
10:27	2.4		6.88	905.30	12.06	4.28	131.00	7.56	
10:30	2.9		6.87	904.20	12.09	4.08	130.60	7.53	
10:33	3.5		6.86	904.00	12.14	3.88	130.30	6.14	
10:36	4.0		6.86	903.30	12.23	3.73	130.10	5.32	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/6/2025 10:36
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.86 pH 903.30 Spec. Cond. 12.23 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 17.50 feet below TOC Drawdown: 3.13 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G123
Sample ID: 018
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 40 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 11:08 Static Water Level: 12.84 feet below TOC
Total Depth: 30.90 feet below TOC
Water Column: 18.06 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 18.06 ft. x 0.022 = 0.4 L x 3 Vol. = 1.2 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:08	0.0	214	purge start time						
11:11	0.6	↓	6.92	728.90	14.17	2.66	85.50	9.68	
11:14	1.3		6.89	735.80	13.87	2.38	96.80	8.36	
11:17	1.9		6.91	772.00	13.88	2.11	102.90	5.25	
11:20	2.6		6.93	829.70	13.95	1.77	107.10	3.26	
11:23	3.2		6.95	848.80	13.70	1.53	109.50	3.51	
11:26	3.9		6.95	856.20	13.72	1.44	111.70	3.70	
11:29	4.5		6.95	858.70	13.88	1.37	113.40	4.42	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 11:29
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.95 pH 858.70 Spec. Cond. 13.88 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 13.29 feet below TOC Drawdown: 0.45 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G124
Sample ID: 019
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 42 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 11:36 Static Water Level: 14.61 feet below TOC
Total Depth: 26.70 feet below TOC
Water Column: 12.09 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.09 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:36	0.0	250	purge start time						
11:41	1.2	↓	7.19	888.90	13.92	5.03	134.00	3.96	
11:44	2.0		7.19	892.50	14.07	4.87	136.70	3.89	
11:47	2.8		7.19	894.10	14.16	4.80	138.60	3.57	
11:50	3.5		7.19	895.20	14.32	4.76	140.10	4.18	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 11:50
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.19 pH 895.20 Spec. Cond. 14.32 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 14.75 feet below TOC Drawdown: 0.14 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G125
Sample ID: 020
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 42 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 11:56 Static Water Level: 14.29 feet below TOC
Total Depth: 26.70 feet below TOC
Water Column: 12.41 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.41 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:56	0.0	269	purge start time						
12:00	1.1	↓	7.28	903.80	13.82	6.07	148.70	5.12	
12:03	1.9		7.25	902.70	13.84	5.83	150.50	9.77	
12:06	2.7		7.25	904.30	13.99	5.66	151.20	13.22	
12:09	3.5		7.22	911.00	13.88	5.76	151.50	15.10	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 12:09
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.22 pH 911.00 Spec. Cond. 13.88 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.92 feet below TOC Drawdown: 1.63 feet

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

- Field Meter: 50115
- Used 6 field filters to fill containers

Form Completed By: Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G126
Sample ID: 021
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 37 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 9:17 Static Water Level: 9.62 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 10.78 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.78 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:18	0.0	261	purge start time						
9:23	1.3	↓	6.94	804.30	13.29	3.37	181.70	3.53	
9:26	2.1		7.02	796.30	12.78	2.90	162.80	2.22	
9:29	2.9		7.03	796.20	12.79	2.57	151.10	2.48	
9:32	3.7		7.03	799.00	12.80	2.14	143.30	2.54	
9:35	4.4		7.03	797.70	12.84	1.95	137.30	1.81	
9:38	5.2		7.04	797.30	12.81	1.88	132.30	1.22	
9:41	6.0		7.05	798.60	12.60	1.82	128.30	0.77	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 9:41
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.05 pH 798.60 Spec. Cond. 12.60 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.41 feet below TOC Drawdown: 0.79 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G151
Sample ID: 022
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 39 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/25 1021 2/4/25 1021 Static Water Level: 11.54 feet below TOC
Total Depth: 23.60 feet below TOC
Water Column: 12.06 feet

Purging Activities

Purged By: BG Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.06 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:21	0.0	173	purge start time						
10:26	0.9	↓	7.17	985.20	12.40	5.69	1.20	12.29	
10:29	1.4		7.26	937.40	11.98	5.65	0.50	18.98	
10:32	1.9		7.34	920.90	11.98	5.58	1.30	11.12	
10:35	2.4		7.40	912.40	12.04	5.56	3.50	10.27	
10:38	2.9		7.43	908.50	12.14	5.46	7.60	6.76	
10:41	3.5		7.46	905.90	12.30	5.36	12.50	31.53	
10:44	4.0		7.47	903.60	12.36	5.26	16.50	23.74	
10:47	4.5		7.48	901.30	12.49	5.18	20.00	22.32	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/4/2025 10:47
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.48 pH 901.30 Spec. Cond. 12.49 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.82 feet below TOC Drawdown: 0.28 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G152
Sample ID: 023
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 38 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 9:20 Static Water Level: 10.99 feet below TOC
Total Depth: 22.00 feet below TOC
Water Column: 11.01 feet

Purging Activities

Purged By: BG Purge Date: 2/4/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.01 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:20	0.0	87	purge start time						
9:51	2.7	↓	7.44	856.10	10.38	7.73	78.00	47.05	
9:54	3.0		7.42	853.10	10.62	7.76	75.50	43.04	
9:57	3.2		7.41	849.60	10.49	7.62	72.00	43.52	
10:00	3.5		7.40	844.20	10.49	7.40	73.10	42.78	
10:03	3.7		7.40	839.30	10.67	7.16	73.10	30.85	
10:06	4.0		7.39	836.70	10.49	6.92	73.90	40.61	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/4/2025 10:06
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.39 pH 836.70 Spec. Cond. 10.49 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.12 feet below TOC Drawdown: 0.13 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G153
Sample ID: 024
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 43 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 12:00 Static Water Level: 13.37 feet below TOC
Total Depth: 23.90 feet below TOC
Water Column: 10.53 feet

Purging Activities

Purged By: BG Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.53 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:00	0.0	231	purge start time						
12:11	2.5	↓	6.94	3,504.40	11.27	3.55	29.80	22.00	
12:14	3.2		6.94	3,502.40	11.25	3.38	38.20	16.56	
12:17	3.9		6.93	3,530.90	11.11	3.20	44.80	12.59	
12:20	4.6		6.93	3,557.20	11.06	3.02	50.40	10.50	
12:23	5.3		6.93	3,578.10	10.93	2.86	53.50	9.00	
12:26	6.0		6.92	3,584.60	11.28	2.72	56.00	8.08	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/4/2025 12:26
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.92 pH 3,584.60 Spec. Cond. 11.28 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 14.12 feet below TOC Drawdown: 0.75 feet

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

- Field Meter: 45720

Form Completed By: Brett Gillihan

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G154
Sample ID: 025
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 41 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 11:18 Static Water Level: 11.89 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 10.91 feet

Purging Activities

Purged By: BG Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.91 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.50 L
Physical appearance of purge water: Cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:18	0.0	183	purge start time						
11:33	2.7	↓	7.53	645.20	12.90	3.72	143.30	68.98	
11:36	3.3		7.53	644.40	12.95	3.56	142.90	61.87	
11:39	3.8		7.53	643.70	13.04	3.42	142.40	55.15	
11:42	4.4		7.52	643.70	13.06	3.31	142.00	54.77	
11:45	5.0		7.52	642.80	13.06	3.22	141.70	55.38	
11:48	5.5		7.52	643.10	13.22	3.14	141.20	55.95	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/4/2025 11:48
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.52 pH 643.10 Spec. Cond. 13.22 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 12.27 feet below TOC Drawdown: 0.38 feet

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

- Field Meter: 45720

Form Completed By: Brett Gillihan

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G155
Sample ID: 026
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 38 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 12:01 Static Water Level: 11.96 feet below TOC
Total Depth: 26.20 feet below TOC
Water Column: 14.24 feet

Purging Activities

Purged By: BG Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.24 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:01	0.0	190	purge start time						
12:22	4.0	↓	7.47	965.60	12.65	3.89	80.90	48.26	
12:31	5.7		7.41	967.00	14.12	3.19	89.00	44.20	
12:34	6.3		7.40	966.30	14.13	2.95	90.20	42.98	
12:37	6.9		7.39	966.00	14.09	2.78	91.10	43.43	
12:40	7.4		7.38	964.60	14.13	2.57	91.60	45.78	
12:43	8.0		7.36	963.20	14.26	2.20	90.80	48.47	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/6/2025 12:43
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.36 pH 963.20 Spec. Cond. 14.26 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 12.23 feet below TOC Drawdown: 0.27 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G200
Sample ID: 027
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 25 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 9:10 Static Water Level: 2.78 feet below TOC
Total Depth: 20.70 feet below TOC
Water Column: 17.92 feet

Purging Activities

Purged By: BG Purge Date: 2/10/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $17.92 \text{ ft.} \times 0.022 = 0.39 \text{ L} \times 3 \text{ Vol.} = 1.17 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:10	0.0	138	purge start time						
9:24	1.9	↓	6.96	945.30	9.29	3.70	161.20	23.97	
9:27	2.3		6.97	937.20	9.37	3.40	159.20	19.87	
9:30	2.8		6.95	940.00	10.21	3.08	158.80	20.91	
9:33	3.2		6.95	937.70	10.55	2.83	157.20	23.63	
9:36	3.6		6.93	936.10	10.61	2.63	156.40	24.05	
9:39	4.0		6.94	933.70	10.62	2.49	155.20	28.56	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/10/2025 9:39
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.94 pH 933.70 Spec. Cond. 10.62 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 3.35 feet below TOC Drawdown: 0.57 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G206
Sample ID: 028
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 9:22 Static Water Level: 9.83 feet below TOC
Total Depth: 26.30 feet below TOC
Water Column: 16.47 feet

Purging Activities

Purged By: BG Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $16.47 \text{ ft.} \times 0.022 = 0.36 \text{ L} \times 3 \text{ Vol.} = 1.08 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:22	0.0	182	purge start time						
9:32	1.8	↓	7.41	863.30	13.37	2.12	-131.50	7.84	
9:35	2.4		7.40	869.50	13.34	1.84	-132.50	7.37	
9:38	2.9		7.39	877.30	13.36	1.67	-132.70	7.29	
9:41	3.5		7.39	884.50	13.26	1.56	-131.80	7.92	
9:44	4.0		7.38	892.00	13.35	1.48	-129.10	8.65	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/6/2025 9:44
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.38 pH 892.00 Spec. Cond. 13.35 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.46 feet below TOC Drawdown: 0.63 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G206D
Sample ID: 029
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 8:42 Static Water Level: 25.62 feet below TOC
Total Depth: 62.12 feet below TOC
Water Column: 36.50 feet

Purging Activities

Purged By: BG Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $36.5 \text{ ft.} \times 0.022 = 0.8 \text{ L} \times 3 \text{ Vol.} = 2.4 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:42	0.0	129	purge start time						
9:01	2.5	↓	7.52	916.40	11.60	2.98	-116.00	183.35	
9:04	2.8		7.53	914.70	11.62	2.72	-118.70	241.74	
9:07	3.2		7.53	915.10	11.47	2.48	-120.50	252.87	
9:10	3.6		7.54	913.90	11.71	2.31	-122.60	291.08	
9:13	4.0		7.54	916.70	11.65	2.18	-124.10	564.76	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/6/2025 9:13
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.54 pH 916.70 Spec. Cond. 11.65 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 26.21 feet below TOC Drawdown: 0.59 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G207
Sample ID: 030
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 37 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 9:50 Static Water Level: 10.45 feet below TOC
Total Depth: 26.60 feet below TOC
Water Column: 16.15 feet

Purging Activities

Purged By: BG Purge Date: 2/6/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.15 ft. x 0.022 = 0.36 L x 3 Vol. = 1.08 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:50	0.0	129	purge start time						
10:06	2.1	↓	7.48	640.20	11.39	4.30	30.20	685.46	
10:09	2.5		7.47	638.50	11.51	4.04	36.60	789.13	
10:12	2.8		7.46	638.00	11.54	3.90	42.00	676.34	
10:15	3.2		7.46	638.20	11.41	3.79	46.30	716.92	
10:18	3.6		7.45	637.00	11.36	3.60	49.30	746.78	
10:21	4.0		7.44	636.50	11.40	3.45	51.20	739.63	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/6/2025 10:21
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.44 pH 636.50 Spec. Cond. 11.40 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.73 feet below TOC Drawdown: 0.28 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G208
Sample ID: 031
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 37 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 10:30 Static Water Level: 9.83 feet below TOC
Total Depth: 26.60 feet below TOC
Water Column: 16.77 feet

Purging Activities

Purged By: BG Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.77 ft. x 0.022 = 0.37 L x 3 Vol. = 1.11 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:30	0.0	235	purge start time						
10:35	1.2	↓	7.58	561.50	12.71	7.14	72.60	5.39	
10:38	1.9		7.58	559.80	11.25	6.50	74.10	2.42	
10:41	2.6		7.58	556.50	12.47	6.42	76.20	8.63	
10:44	3.3		7.57	558.10	12.92	6.30	78.70	12.18	
10:47	4.0		7.58	557.60	12.81	6.24	81.20	11.79	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/6/2025 10:47
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.58 pH 557.60 Spec. Cond. 12.81 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.18 feet below TOC Drawdown: 0.35 feet

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

- Field Meter: 45720

Form Completed By: Brett Gillihan

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G209
Sample ID: 032
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 37 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 10:55 Static Water Level: 9.99 feet below TOC
Total Depth: 25.50 feet below TOC
Water Column: 15.51 feet

Purging Activities

Purged By: BG Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 15.51 ft. x 0.022 = 0.34 L x 3 Vol. = 1.02 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:55	0.0	160	purge start time						
11:08	2.1	↓	7.16	1,190.80	11.70	2.86	0.60	40.08	
11:11	2.6		7.15	1,192.20	11.66	2.54	-5.70	37.19	
11:14	3.0		7.14	1,192.60	11.69	2.31	-9.80	34.70	
11:17	3.5		7.13	1,194.30	11.86	2.12	-11.50	28.32	
11:20	4.0		7.12	1,195.10	11.94	1.97	-13.00	26.05	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/6/2025 11:20
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.12 pH 1,195.10 Spec. Cond. 11.94 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.61 feet below TOC Drawdown: 0.62 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G210
Sample ID: 033
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 37 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 11:30 Static Water Level: 10.66 feet below TOC
Total Depth: 27.50 feet below TOC
Water Column: 16.84 feet

Purging Activities

Purged By: BG Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.84 ft. x 0.022 = 0.37 L x 3 Vol. = 1.11 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:30	0.0	200	purge start time						
11:35	1.0	↓	7.40	917.30	13.07	3.94	54.20	15.15	
11:38	1.6		7.38	922.50	13.75	3.10	58.40	16.42	
11:41	2.2		7.38	924.50	13.87	2.66	60.20	18.66	
11:44	2.8		7.37	925.70	13.97	2.39	61.70	16.84	
11:47	3.4		7.37	926.20	14.08	2.24	62.80	14.95	
11:50	4.0		7.37	926.30	14.08	2.13	64.10	15.67	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/6/2025 11:50
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.37 pH 926.30 Spec. Cond. 14.08 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.23 feet below TOC Drawdown: 0.57 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G211
Sample ID: 034
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 13:20 Static Water Level: 10.89 feet below TOC
Total Depth: 26.30 feet below TOC
Water Column: 15.41 feet

Purging Activities

Purged By: BG Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 15.41 ft. x 0.022 = 0.34 L x 3 Vol. = 1.02 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:20	0.0	160	purge start time						
13:33	2.1	↓	7.55	798.90	11.69	4.12	103.50	73.03	
13:36	2.6		7.54	799.80	11.68	3.92	106.90	57.85	
13:39	3.0		7.53	799.30	11.64	3.74	108.90	49.35	
13:42	3.5		7.53	799.70	11.72	3.58	110.30	43.96	
13:45	4.0		7.52	798.70	11.80	3.45	110.90	41.25	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/5/2025 13:45
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.52 pH 798.70 Spec. Cond. 11.80 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.26 feet below TOC Drawdown: 0.37 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G212
Sample ID: 035
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 12:56 Static Water Level: 11.12 feet below TOC
Total Depth: 82.00 feet below TOC
Water Column: 70.88 feet

Purging Activities

Purged By: BG Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $70.88 \text{ ft.} \times 0.022 = 1.56 \text{ L} \times 3 \text{ Vol.} = 4.68 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:56	0.0	313	purge start time						
13:00	1.3	↓	7.39	702.60	12.41	4.39	114.40	9.97	
13:03	2.2		7.41	695.80	10.27	4.27	115.90	8.65	
13:06	3.1		7.37	695.00	13.68	3.82	115.80	8.50	
13:09	4.1		7.37	698.20	13.78	3.57	116.70	8.17	
13:12	5.0		7.35	702.00	13.93	3.10	115.70	10.28	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/5/2025 13:12
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.35 pH 702.00 Spec. Cond. 13.93 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 12.89 feet below TOC Drawdown: 1.77 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G213
Sample ID: 036
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 12:23 Static Water Level: 11.65 feet below TOC
Total Depth: 82.00 feet below TOC
Water Column: 70.35 feet

Purging Activities

Purged By: BG Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 70.35 ft. x 0.022 = 1.55 L x 3 Vol. = 4.65 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:23	0.0	228	purge start time						
12:32	2.1	↓	7.40	701.80	11.64	4.92	65.10	18.72	
12:35	2.7		7.39	693.60	12.49	4.55	75.20	16.38	
12:38	3.4		7.36	701.90	13.70	3.99	80.60	14.36	
12:41	4.1		7.34	701.00	13.75	3.58	85.30	11.10	
12:44	4.8		7.33	699.50	13.74	3.24	88.90	9.85	
12:47	5.5		7.31	699.50	13.70	2.90	91.60	10.74	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/5/2025 12:47
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.31 pH 699.50 Spec. Cond. 13.70 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 12.42 feet below TOC Drawdown: 0.77 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G214
Sample ID: 037
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 45 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 14:20 Static Water Level: 15.43 feet below TOC
Total Depth: 26.50 feet below TOC
Water Column: 11.07 feet

Purging Activities

Purged By: BG Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.07 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 1.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:20	0.0	88	purge start time						
14:21	0.1	↓	7.21	1,053.60	14.63	7.10	65.40	8.21	
14:22	0.2		7.19	1,110.30	14.44	6.00	59.80	6.94	
14:25	0.4		7.26	1,073.20	13.18	3.90	60.00	7.86	
14:28	0.7		7.29	1,014.80	13.18	3.76	69.80	10.16	
14:31	1.0		7.24	1,026.80	13.30	3.38	75.70	10.87	
14:34	1.2		7.23	1,030.70	13.35	2.93	79.50	12.14	
14:37	1.5		7.23	1,030.50	13.29	2.71	83.20	27.79	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/4/2025 14:37
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.23 pH 1,030.50 Spec. Cond. 13.29 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.76 feet below TOC Drawdown: 0.33 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G215
Sample ID: 038
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 45 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 13:46 Static Water Level: 14.98 feet below TOC
Total Depth: 26.90 feet below TOC
Water Column: 11.92 feet

Purging Activities

Purged By: BG Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.92 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:46	0.0	167	purge start time						
13:58	2.0	↓	7.05	1,758.30	13.94	2.33	-1.80	25.05	
14:01	2.5		7.05	1,759.50	14.01	1.95	-5.30	31.47	
14:04	3.0		7.05	1,757.50	13.96	1.72	-6.00	35.91	
14:07	3.5		7.04	1,756.10	13.98	1.57	-6.60	46.43	
14:10	4.0		7.04	1,752.60	13.98	1.46	-7.30	51.51	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/4/2025 14:10
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.04 pH 1,752.60 Spec. Cond. 13.98 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.18 feet below TOC Drawdown: 0.20 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G216
Sample ID: 039
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 44 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 13:15 Static Water Level: 14.19 feet below TOC
Total Depth: 28.50 feet below TOC
Water Column: 14.31 feet

Purging Activities

Purged By: BG Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $14.31 \text{ ft.} \times 0.022 = 0.31 \text{ L} \times 3 \text{ Vol.} = 0.93 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:15	0.0	167	purge start time						
13:27	2.0	↓	7.12	2,100.10	12.87	3.86	-33.50	56.83	
13:30	2.5		7.12	2,097.40	12.85	3.76	-34.20	71.71	
13:33	3.0		7.13	2,094.80	12.75	3.78	-33.20	53.78	
13:36	3.5		7.14	2,092.50	12.69	3.79	-32.20	50.51	
13:39	4.0		7.14	2,091.70	12.71	3.94	-30.90	53.75	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/4/2025 13:39
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.14 pH 2,091.70 Spec. Cond. 12.71 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 14.39 feet below TOC Drawdown: 0.20 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G217
Sample ID: 040
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 44 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 12:40 Static Water Level: 15.29 feet below TOC
Total Depth: 28.40 feet below TOC
Water Column: 13.11 feet

Purging Activities

Purged By: BG Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 13.11 ft. x 0.022 = 0.29 L x 3 Vol. = 0.87 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:40	0.0	196	purge start time						
12:48	1.6	↓	7.03	1,765.20	13.33	3.82	-10.90	14.70	
12:51	2.2		7.02	1,756.90	13.37	2.96	-7.50	15.38	
12:54	2.7		7.01	1,748.60	13.41	2.48	-0.70	17.49	
12:57	3.3		7.01	1,745.70	13.48	2.20	1.70	20.14	
13:00	3.9		7.01	1,744.20	13.48	2.01	2.40	23.00	
13:03	4.5		7.00	1,743.60	13.44	1.87	2.70	26.14	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/4/2025 13:03
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.00 pH 1,743.60 Spec. Cond. 13.44 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.71 feet below TOC Drawdown: 0.42 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G218
Sample ID: 041
Date (s): 2/7/2025

Field Team Members

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

Weather Conditions

Temp: 31 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/7/2025 8:47 Static Water Level: 15.18 feet below TOC
Total Depth: 28.50 feet below TOC
Water Column: 13.32 feet

Purging Activities

Purged By: BG Purge Date: 2/7/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 13.32 ft. x 0.022 = 0.29 L x 3 Vol. = 0.87 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:47	0.0	286	purge start time						
8:49	0.6	↓	7.13	1,637.10	13.24	5.02	-52.60	14.74	
8:52	1.4		7.07	1,668.90	12.98	3.83	-51.50	15.15	
8:55	2.3		7.04	1,696.40	13.11	3.00	-52.50	22.29	
8:58	3.1		7.04	1,700.70	12.99	2.59	-53.90	42.40	
9:01	4.0		7.03	1,699.90	13.78	2.27	-55.30	88.33	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/7/2025 9:01
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.03 pH 1,699.90 Spec. Cond. 13.78 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.67 feet below TOC Drawdown: 0.49 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/7/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G270
Sample ID: 042
Date (s): 2/11/2025

Field Team Members

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

Weather Conditions

Temp: 38 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/11/2025 10:59 Static Water Level: 2.75 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 17.65 feet

Purging Activities

Purged By: JC Purge Date: 2/11/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $17.65 \text{ ft.} \times 0.022 = 0.39 \text{ L} \times 3 \text{ Vol.} = 1.17 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:59	0.0	222	purge start time						
11:02	0.7	↓	7.19	655.80	10.22	3.48	17.10	34.03	
11:05	1.3		7.14	654.30	10.21	3.22	25.40	17.39	
11:08	2.0		7.11	654.30	10.37	2.95	31.20	13.20	
11:11	2.7		7.10	654.80	10.38	2.79	35.50	9.84	
11:14	3.3		7.09	654.80	10.47	2.78	39.30	7.69	
11:17	4.0		7.09	654.70	10.50	2.79	43.20	6.27	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/11/2025 11:17
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.09 pH 654.70 Spec. Cond. 10.50 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 3.43 feet below TOC Drawdown: 0.68 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/11/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G271
Sample ID: 043
Date (s): 2/11/2025

Field Team Members

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

Weather Conditions

Temp: 34 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/11/2025 9:25 Static Water Level: 9.88 feet below TOC
Total Depth: 18.70 feet below TOC
Water Column: 8.82 feet

Purging Activities

Purged By: JC Purge Date: 2/11/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 8.82 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:26	0.0	250	purge start time						
9:29	0.8	↓	7.30	850.60	11.77	6.54	85.80	9.32	
9:32	1.5		7.21	871.80	11.72	5.81	90.40	4.82	
9:35	2.3		7.14	901.30	11.82	4.70	93.50	3.59	
9:38	3.0		7.10	917.90	11.92	3.97	95.40	2.38	
9:41	3.8		7.07	935.00	12.01	3.25	96.80	1.47	
9:44	4.5		7.06	941.50	12.02	2.92	97.70	1.51	
9:47	5.2		7.06	941.70	12.08	2.83	98.30	0.93	
9:50	6.0		7.05	944.40	12.10	2.74	98.90	0.92	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/11/2025 9:50
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.05 pH 944.40 Spec. Cond. 12.10 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 12.28 feet below TOC Drawdown: 2.40 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/11/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G272
Sample ID: 044
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 33 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 9:51 Static Water Level: 9.48 feet below TOC
Total Depth: 17.40 feet below TOC
Water Column: 7.92 feet

Purging Activities

Purged By: BG Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 7.92 ft. x 0.022 = 0.17 L x 3 Vol. = 0.51 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:51	0.0	211	purge start time						
10:01	2.1	↓	7.55	1,267.70	10.18	6.10	121.40	15.98	
10:04	2.7		7.50	1,281.10	10.35	6.02	128.90	14.63	
10:07	3.4		7.43	1,335.30	10.44	5.48	133.40	13.39	
10:10	4.0		7.39	1,383.60	10.46	4.80	135.80	12.05	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/5/2025 10:10
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.39 pH 1,383.60 Spec. Cond. 10.46 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 9.67 feet below TOC Drawdown: 0.19 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G273
Sample ID: 045
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 33 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 9:11 Static Water Level: 10.16 feet below TOC
Total Depth: 18.90 feet below TOC
Water Column: 8.74 feet

Purging Activities

Purged By: BG Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $8.74 \text{ ft.} \times 0.022 = 0.19 \text{ L} \times 3 \text{ Vol.} = 0.57 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:11	0.0	71	purge start time						
9:27	1.1	↓	7.23	1,569.20	11.59	3.33	100.40	44.40	
9:30	1.4		7.21	1,603.30	11.61	2.58	91.40	28.73	
9:33	1.6		7.20	1,617.20	11.67	2.11	85.90	22.00	
9:36	1.8		7.19	1,620.60	11.87	1.83	82.00	19.03	
9:39	2.0		7.18	1,624.30	11.99	1.63	78.70	15.07	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/5/2025 9:39
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.18 pH 1,624.30 Spec. Cond. 11.99 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.22 feet below TOC Drawdown: 0.06 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G274
Sample ID: 046
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 33 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 10:23 Static Water Level: 13.43 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 6.97 feet

Purging Activities

Purged By: BG Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $6.97 \text{ ft.} \times 0.022 = 0.15 \text{ L} \times 3 \text{ Vol.} = 0.45 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: CLEAR

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:23	0.0	176	purge start time						
10:31	1.4	↓	7.30	947.00	10.84	4.70	113.80	68.98	
10:34	1.9		7.24	1,079.30	10.89	3.51	77.40	35.42	
10:37	2.5		7.24	1,121.50	10.41	2.89	54.00	33.84	
10:40	3.0		7.24	1,138.70	9.85	2.56	40.30	22.86	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/5/2025 10:40
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.24 pH 1,138.70 Spec. Cond. 9.85 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 13.73 feet below TOC Drawdown: 0.30 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G275
Sample ID: 047
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 33 °F

Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☒ Light ☐ Heavy

Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 8:36

Static Water Level: T.O.P. feet below TOC
Total Depth: 15.30 feet below TOC
Water Column: N/A feet

Purging Activities

Purged By: BG Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L):
Actual Purge Volume (L): 0.00 L
Physical appearance of purge water: Odor: Color:

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

Sampling Activities

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

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

- Dry; no sample

Form Completed By:

Brett Gillihan

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G275D
Sample ID: 048
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 33 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 10:53 Static Water Level: 37.77 feet below TOC
Total Depth: 62.70 feet below TOC
Water Column: 24.93 feet

Purging Activities

Purged By: BG Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $24.93 \text{ ft.} \times 0.022 = 0.55 \text{ L} \times 3 \text{ Vol.} = 1.65 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:53	0.0	136	purge start time						
11:03	1.4	↓	7.40	1,432.30	9.47	3.12	-87.70	92.20	
11:06	1.8		7.43	1,419.00	8.63	2.75	-91.50	94.45	
11:09	2.2		7.46	1,419.40	8.26	2.63	-92.80	97.59	
11:12	2.6		7.47	1,415.30	8.17	2.63	-92.10	101.62	
11:15	3.0		7.48	1,417.90	8.09	2.62	-91.50	105.21	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/5/2025 11:15
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.48 pH 1,417.90 Spec. Cond. 8.09 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 38.21 feet below TOC Drawdown: 0.44 feet

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

- Field Meter: 45720

Form Completed By: Brett Gillihan

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G276
Sample ID: 049
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 33 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 11:36 Static Water Level: 27.04 feet below TOC
Total Depth: 30.90 feet below TOC
Water Column: 3.86 feet

Purging Activities

Purged By: BG Purge Date: 2/5/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $3.86 \text{ ft.} \times 0.022 = 0.08 \text{ L} \times 3 \text{ Vol.} = 0.24 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Clear Odor: None Color: CLEAR

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:36	0.0	182	purge start time						
11:38	0.4	↓	7.08	1,269.90	13.47	7.44	77.50	5.58	
11:41	0.9		7.07	1,332.00	12.26	5.68	92.80	3.12	
11:44	1.5		7.08	1,328.10	12.17	5.19	103.70	2.64	
11:47	2.0		7.10	1,333.60	12.07	5.23	113.50	2.63	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/5/2025 11:47
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.10 pH 1,333.60 Spec. Cond. 12.07 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 27.93 feet below TOC Drawdown: 0.89 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G277
Sample ID: 050
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 45 °F

Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy

Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 8:56

Static Water Level: T.O.P. feet below TOC

Total Depth: 22.30 feet below TOC

Water Column: N/A feet

Purging Activities

Purged By: Purge Date:

Purge Method: Well Diameter: 2"

Purge Volume Calculation (L):

Actual Purge Volume (L):

Physical appearance of purge water: Odor: Color:

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

Sampling Activities

Sampled By: Sample Date/Time:

Sample Method: Sample Equipment:

Sample Parameters: pH Spec. Cond. Temp

Field Filtered: Filter Type:

Water Level: feet below TOC Drawdown: feet

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

- Dry; no sample

Form Completed By:

Brett Gillihan

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G278
Sample ID: 051
Date (s): 2/6.25

Field Team Members

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

Weather Conditions

Temp: 40 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 13:05 Static Water Level: 23.02 feet below TOC
Total Depth: 26.40 feet below TOC
Water Column: 3.38 feet

Purging Activities

Purged By: BG Purge Date: 2/6.25
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 3.38 ft. x 0.022 = 0.07 L x 3 Vol. = 0.21 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:05	0.0	167	purge start time						
13:14	1.5	↓	6.84	5,318.10	10.75	3.94	185.00	52.24	
13:14	1.5		6.84	5,316.70	10.75	3.92	185.80	51.65	
13:17	2.0		6.88	4,925.70	10.90	3.41	206.80	38.94	
13:20	2.5		6.94	4,405.00	10.86	3.43	200.40	30.36	
13:23	3.0		6.98	4,083.10	10.96	3.61	192.40	22.53	
13:26	3.5		6.99	3,949.30	11.51	3.82	185.70	18.71	
13:29	4.0		6.98	3,969.10	12.58	3.78	185.00	18.86	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/6/2025 13:29
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.98 pH 3,969.10 Spec. Cond. 12.58 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 23.86 feet below TOC Drawdown: 0.84 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G279
Sample ID: 052
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 39 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 13:35 Static Water Level: 22.03 feet below TOC
Total Depth: 30.80 feet below TOC
Water Column: 8.77 feet

Purging Activities

Purged By: BG Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 8.77 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:35	0.0	190	purge start time						
13:44	1.7	↓	7.06	2,357.60	13.41	7.24	154.20	8.27	
13:47	2.3		7.03	2,379.90	14.25	6.95	155.10	6.12	
13:50	2.9		7.03	2,221.80	14.64	7.12	156.20	5.03	
13:53	3.4		7.02	2,261.70	14.81	7.08	158.00	3.71	
13:56	4.0		7.02	2,301.10	14.73	6.98	159.00	3.11	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/6/2025 13:56
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.02 pH 2,301.10 Spec. Cond. 14.73 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 22.38 feet below TOC Drawdown: 0.35 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G280
Sample ID: 053
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 39 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 14:48 Static Water Level: 4.04 feet below TOC
Total Depth: 20.20 feet below TOC
Water Column: 16.16 feet

Purging Activities

Purged By: BG Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.16 ft. x 0.022 = 0.36 L x 3 Vol. = 1.08 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:48	0.0	86	purge start time						
14:08	1.7	↓	7.50	843.60	11.65	6.11	117.10	17.51	
14:11	2.0		7.50	822.70	12.02	3.99	120.60	26.04	
14:14	2.2		7.50	825.50	12.33	3.00	121.30	17.44	
14:17	2.5		7.50	826.20	12.37	2.49	121.20	20.06	
14:20	2.7		7.50	828.70	11.96	2.20	120.50	17.35	
14:23	3.0		7.49	826.70	11.85	2.03	119.40	16.29	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/6/2025 14:23
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.49 pH 826.70 Spec. Cond. 11.85 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 4.68 feet below TOC Drawdown: 0.64 feet

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

- Field Meter: 45720

Form Completed By: Brett Gillihan

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G281
Sample ID: 054
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 11:19 Static Water Level: 4.56 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 18.24 feet

Purging Activities

Purged By: JC Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 18.24 ft. x 0.022 = 0.4 L x 3 Vol. = 1.2 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:20	0.0	294	purge start time						
11:25	1.5	↓	6.98	1,360.30	11.44	2.43	86.20	6.24	
11:28	2.4		6.95	1,362.00	11.66	1.76	86.20	6.72	
11:31	3.2		6.95	1,362.10	11.80	1.48	86.00	6.34	
11:34	4.1		6.95	1,361.10	12.01	1.30	85.60	7.04	
11:37	5.0		6.95	1,361.10	12.02	1.20	85.00	7.72	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/5/2025 11:37
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.95 pH 1,361.10 Spec. Cond. 12.02 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 5.00 feet below TOC Drawdown: 0.44 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G283
Sample ID: 055
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 37 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 13:07 Static Water Level: 4.64 feet below TOC
Total Depth: 20.80 feet below TOC
Water Column: 16.16 feet

Purging Activities

Purged By: BG Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.16 ft. x 0.022 = 0.36 L x 3 Vol. = 1.08 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Lt Brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:07	0.0	150	purge start time						
13:15	1.2	↓	6.99	1,197.60	10.76	5.63	83.20	87.84	
13:18	1.7		6.99	1,194.30	10.82	3.41	39.60	65.78	
13:21	2.1		6.98	1,191.70	10.87	2.65	15.70	65.83	
13:24	2.6		6.98	1,189.40	10.93	2.24	-0.90	98.57	
13:27	3.0		6.98	1,188.50	10.95	1.98	-12.90	118.31	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/10/2025 13:27
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.98 pH 1,188.50 Spec. Cond. 10.95 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 5.17 feet below TOC Drawdown: 0.53 feet

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

- Field Meter: 45720

Form Completed By: Brett Gillihan

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G284
Sample ID: 056
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 37 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 13:37 Static Water Level: 10.41 feet below TOC
Total Depth: 16.30 feet below TOC
Water Column: 5.89 feet

Purging Activities

Purged By: BG Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $5.89 \text{ ft.} \times 0.022 = 0.13 \text{ L} \times 3 \text{ Vol.} = 0.39 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:37	0.0	176	purge start time						
13:42	0.9	↓	7.22	711.00	11.30	7.23	59.70	5.16	
13:45	1.4		7.34	590.50	10.34	6.89	74.80	3.00	
13:48	1.9		7.25	612.70	10.33	6.41	86.70	2.62	
13:51	2.5		7.22	642.80	10.44	5.68	92.90	2.84	
13:54	3.0		7.20	650.70	10.45	5.21	97.30	2.48	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/10/2025 13:54
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.20 pH 650.70 Spec. Cond. 10.45 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.16 feet below TOC Drawdown: 0.75 feet

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

- Field Meter: 45720
-

Form Completed By:

Brett Gillihan

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G285
Sample ID: 057
Date (s): 2/11/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/11/2025 9:32 Static Water Level: 4.54 feet below TOC
Total Depth: 26.80 feet below TOC
Water Column: 22.26 feet

Purging Activities

Purged By: BG Purge Date: 2/11/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $22.26 \text{ ft.} \times 0.022 = 0.49 \text{ L} \times 3 \text{ Vol.} = 1.47 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:32	0.0	187	purge start time						
9:36	0.8	↓	6.85	1,893.80	11.71	6.12	93.90	48.31	
9:39	1.3		6.83	1,895.40	11.39	3.98	90.20	23.90	
9:42	1.9		6.83	1,902.30	11.33	3.06	83.90	25.42	
9:45	2.4		6.83	1,904.60	11.30	2.57	76.70	36.70	
9:48	3.0		6.82	1,905.60	11.32	2.25	70.10	46.39	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/11/2025 9:48
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.82 pH 1,905.60 Spec. Cond. 11.32 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 5.03 feet below TOC Drawdown: 0.49 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/11/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G301
Sample ID: 058
Date (s): 2/7/2025

Field Team Members

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

Weather Conditions

Temp: 33 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/7/2025 10:02 Static Water Level: 5.69 feet below TOC
Total Depth: 18.60 feet below TOC
Water Column: 12.91 feet

Purging Activities

Purged By: BG Purge Date: 2/7/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $12.91 \text{ ft.} \times 0.022 = 0.28 \text{ L} \times 3 \text{ Vol.} = 0.84 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:02	0.0	267	purge start time						
10:05	0.8	↓	6.92	1,081.90	11.49	7.02	23.90	6.88	
10:08	1.6		6.88	1,085.50	11.02	4.21	54.80	29.00	
10:11	2.4		6.87	1,076.50	10.99	3.24	66.70	23.20	
10:14	3.2		6.87	1,074.00	11.24	2.69	74.10	14.69	
10:17	4.0		6.86	1,073.10	11.23	2.35	79.70	10.89	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/7/2025 10:17
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.86 pH 1,073.10 Spec. Cond. 11.23 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 5.99 feet below TOC Drawdown: 0.30 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/7/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G302
Sample ID: 059
Date (s): 2/7/2025

Field Team Members

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

Weather Conditions

Temp: 33 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/7/2025 9:38 Static Water Level: 7.72 feet below TOC
Total Depth: 20.50 feet below TOC
Water Column: 12.78 feet

Purging Activities

Purged By: BG Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.78 ft. x 0.022 = 0.28 L x 3 Vol. = 0.84 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:38	0.0	308	purge start time						
9:39	0.3	↓	7.14	1,711.00	11.33	7.60	-65.80	50.61	
9:42	1.2		7.10	1,731.80	10.17	5.81	-38.70	47.73	
9:45	2.2		7.09	1,722.90	9.31	5.09	-32.00	44.71	
9:48	3.1		7.08	1,718.60	9.17	4.53	-28.30	49.18	
9:51	4.0		7.06	1,704.10	9.34	4.20	-18.10	46.69	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/7/2025 9:51
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.06 pH 1,704.10 Spec. Cond. 9.34 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 9.75 feet below TOC Drawdown: 2.03 feet

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

- Field Meter: 45720

Form Completed By: Brett Gillihan

Date: 2/7/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G303
Sample ID: 060
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 31 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 10:59 Static Water Level: 5.09 feet below TOC
Total Depth: 23.30 feet below TOC
Water Column: 18.21 feet

Purging Activities

Purged By: JC Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 18.21 ft. x 0.022 = 0.4 L x 3 Vol. = 1.2 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:00	0.0	217	purge start time						
11:05	1.1	↓	6.83	1,818.70	10.72	3.35	1.80	11.97	
11:08	1.7		6.82	1,815.70	10.42	3.15	25.00	17.58	
11:11	2.4		6.81	1,814.50	10.58	2.94	37.10	20.89	
11:14	3.0		6.81	1,809.40	10.76	2.83	45.60	24.89	
11:17	3.7		6.81	1,808.90	10.98	2.63	51.20	29.16	
11:20	4.3		6.81	1,806.10	11.04	2.53	55.30	36.25	
11:23	5.0		6.81	1,801.30	11.20	2.48	58.30	61.85	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/10/2025 11:23
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.81 pH 1,801.30 Spec. Cond. 11.20 Temp
Field Filtered: No Filter Type:
Water Level: 6.51 feet below TOC Drawdown: 1.42 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G305
Sample ID: 061
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 34 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 11:57 Static Water Level: 6.46 feet below TOC
Total Depth: 21.50 feet below TOC
Water Column: 15.04 feet

Purging Activities

Purged By: BG Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $15.04 \text{ ft.} \times 0.022 = 0.33 \text{ L} \times 3 \text{ Vol.} = 0.99 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:57	0.0	167	purge start time						
12:06	1.5	↓	7.18	1,614.10	11.59	3.41	88.00	36.84	
12:09	2.0		7.16	1,614.30	11.51	2.90	90.40	22.29	
12:12	2.5		7.16	1,613.50	11.53	2.56	91.30	16.09	
12:15	3.0		7.16	1,613.50	11.46	2.33	91.60	13.20	
12:18	3.5		7.15	1,613.90	12.21	2.11	91.30	11.04	
12:21	4.0		7.14	1,617.60	12.44	1.94	90.50	11.01	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/10/2025 12:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.14 pH 1,617.60 Spec. Cond. 12.44 Temp
Field Filtered: No Filter Type:
Water Level: 7.01 feet below TOC Drawdown: 0.55 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1 Monitoring Point: G306
Project Location: Coffeen, Illinois Sample ID: 062
W.O. Number (s): 25011232 Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 26 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 9:31 Static Water Level: 6.22 feet below TOC
Total Depth: 20.90 feet below TOC
Water Column: 14.68 feet

Purging Activities

Purged By: JC Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.68 ft. x 0.022 = 0.32 L x 3 Vol. = 0.96 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 11.00 L
Physical appearance of purge water: Cloudy Odor: None Color: lt brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:32	0.0	262	purge start time						
9:44	3.1	↓	6.44	566.50	11.64	4.84	54.10	280.95	
9:47	3.9		6.41	571.40	11.59	4.52	67.90	182.86	
9:50	4.7		6.42	583.60	11.61	4.25	76.40	111.06	
9:53	5.5		6.41	594.60	11.61	3.81	82.30	88.78	
9:56	6.3		6.40	601.90	11.71	3.43	86.70	81.28	
9:59	7.1		6.39	607.00	11.84	3.12	90.30	76.23	
10:02	7.9		6.38	610.60	11.91	2.82	93.50	79.90	
10:05	8.6		6.37	614.40	11.88	2.57	96.40	81.91	
10:08	9.4		6.36	617.00	12.00	2.38	98.70	80.07	
10:11	10.2		6.35	618.40	11.99	2.22	100.80	89.12	
10:14	11.0		6.35	619.70	12.10	2.11	102.30	92.88	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/10/2025 10:14
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.35 pH 619.70 Spec. Cond. 12.10 Temp
Field Filtered: No Filter Type:
Water Level: 9.91 feet below TOC Drawdown: 3.69 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G307
Sample ID: 063
Date (s): 2/28/2025

Field Team Members

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

Weather Conditions

Temp: 52 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☒ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/28/2025 10:04 Static Water Level: 0.20 feet below TOC
Total Depth: 20.60 feet below TOC
Water Column: 20.40 feet

Purging Activities

Purged By: TC Purge Date: 2/28/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 20.4 ft. x 0.022 = 0.45 L x 3 Vol. = 1.35 L
Actual Purge Volume (L): 10.00 L
Physical appearance of purge water: Cloudy Odor: Moderate Color: Yellow

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:04	0.0	370	purge start time						
10:19	5.6	↓	6.82	858.50	12.48	1.09	5.40	244.89	
10:22	6.7		6.83	852.30	12.61	0.86	1.80	219.49	
10:25	7.8		6.83	850.40	12.68	0.79	-1.00	182.26	
10:28	8.9		6.83	861.80	12.44	0.74	-3.50	149.96	
10:31	10.0		6.84	858.60	12.54	0.69	-6.60	125.58	

Sampling Activities

Sampled By: TC Sample Date/Time: 2/28/2025 10:31
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.84 pH 858.60 Spec. Cond. 12.54 Temp
Field Filtered: Yes Filter Type:
Water Level: 0.70 feet below TOC Drawdown: 0.50 feet

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

- Field Meter: 210756
- Resample

Form Completed By: Tracy Carroll

Date: 2/28/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G307D
Sample ID: 064
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 23 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 9:01 Static Water Level: 12.49 feet below TOC
Total Depth: 62.00 feet below TOC
Water Column: 49.51 feet

Purging Activities

Purged By: JC Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 49.51 ft. x 0.022 = 1.09 L x 3 Vol. = 3.27 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:03	0.0	214	purge start time						
9:08	1.1	↓	7.12	1,214.10	12.46	2.63	-79.80	4.95	
9:11	1.7		7.19	1,234.60	11.80	2.47	-106.40	4.13	
9:14	2.4		7.22	1,244.80	11.34	2.36	-115.60	3.60	
9:17	3.0		7.23	1,246.20	11.75	2.24	-117.90	2.84	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/10/2025 9:17
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.23 pH 1,246.20 Spec. Cond. 11.75 Temp
Field Filtered: No Filter Type:
Water Level: 16.10 feet below TOC Drawdown: 3.61 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G308
Sample ID: 065
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 12:21 Static Water Level: 4.38 feet below TOC
Total Depth: 18.20 feet below TOC
Water Column: 13.82 feet

Purging Activities

Purged By: JC Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $13.82 \text{ ft.} \times 0.022 = 0.3 \text{ L} \times 3 \text{ Vol.} = 0.9 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:21	0.0	286	purge start time						
12:26	1.4	↓	7.10	1,547.70	11.64	1.49	-0.70	20.30	
12:29	2.3		7.09	1,541.30	11.77	1.04	11.30	10.04	
12:32	3.1		7.08	1,538.90	11.88	0.89	18.80	6.61	
12:35	4.0		7.08	1,537.50	11.93	0.82	24.20	5.45	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/10/2025 12:35
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.08 pH 1,537.50 Spec. Cond. 11.93 Temp
Field Filtered: No Filter Type:
Water Level: 5.01 feet below TOC Drawdown: 0.63 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G310
Sample ID: 066
Date (s): 2/7/2025

Field Team Members

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

Weather Conditions

Temp: 31 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/7/2025 9:17 Static Water Level: 7.42 feet below TOC
Total Depth: 18.40 feet below TOC
Water Column: 10.98 feet

Purging Activities

Purged By: JC Purge Date: 2/7/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $10.98 \text{ ft.} \times 0.022 = 0.24 \text{ L} \times 3 \text{ Vol.} = 0.72 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:18	0.0	333	purge start time						
9:21	1.0	↓	7.06	1,160.60	12.23	1.47	12.80	6.16	
9:24	2.0		7.03	1,156.00	12.45	0.99	24.40	1.60	
9:27	3.0		7.02	1,153.40	12.58	0.80	31.00	1.13	
9:30	4.0		7.01	1,154.20	12.64	0.71	35.40	1.09	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/7/2025 9:30
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.01 pH 1,154.20 Spec. Cond. 12.64 Temp
Field Filtered: No Filter Type:
Water Level: 7.70 feet below TOC Drawdown: 0.28 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/7/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G312
Sample ID: 067
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 28 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 10:48 Static Water Level: 10.27 feet below TOC
Total Depth: 17.80 feet below TOC
Water Column: 7.53 feet

Purging Activities

Purged By: TC Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 7.53 ft. x 0.022 = 0.17 L x 3 Vol. = 0.51 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:48	0.0	211	purge start time						
11:08	4.2	↓	6.33	1,445.70	12.12	3.29	109.70	1.32	
11:11	4.8		6.33	1,586.30	12.12	2.95	110.00	1.05	
11:14	5.5		6.33	1,712.20	12.19	2.70	109.60	0.92	
11:17	6.1		6.33	1,812.30	12.29	2.50	109.00	0.80	
11:20	6.7		6.33	1,897.10	12.30	2.28	108.50	0.86	
11:23	7.4		6.33	1,964.90	12.34	2.08	108.20	0.78	
11:26	8.0		6.33	2,013.00	12.34	1.91	108.00	0.87	

Sampling Activities

Sampled By: TC Sample Date/Time: 2/10/2025 11:26
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.33 pH 2,013.00 Spec. Cond. 12.34 Temp _____
Field Filtered: No Filter Type: _____
Water Level: 11.43 feet below TOC Drawdown: 1.16 feet

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

- Field Meter: 210756

Form Completed By: _____

Tracy Carroll

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G313
Sample ID: 068
Date (s): 2/11/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/11/2025 10:09 Static Water Level: 3.79 feet below TOC
Total Depth: 14.30 feet below TOC
Water Column: 10.51 feet

Purging Activities

Purged By: BG Purge Date: 2/11/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $10.51 \text{ ft.} \times 0.022 = 0.23 \text{ L} \times 3 \text{ Vol.} = 0.69 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:09	0.0	200	purge start time						
10:12	0.6	↓	6.93	1,680.00	10.43	6.08	97.60	12.88	
10:15	1.2		6.89	1,669.30	9.32	4.12	93.30	9.08	
10:18	1.8		6.88	1,669.20	9.11	3.26	87.30	7.43	
10:21	2.4		6.87	1,658.30	10.53	2.71	80.60	8.12	
10:24	3.0		6.87	1,669.90	10.86	2.31	75.20	5.75	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/11/2025 10:24
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.87 pH 1,669.90 Spec. Cond. 10.86 Temp
Field Filtered: No Filter Type:
Water Level: 4.13 feet below TOC Drawdown: 0.34 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/11/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G314
Sample ID: 069
Date (s): 2/7/2025

Field Team Members

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

Weather Conditions

Temp: 31 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/7/2025 8:41 Static Water Level: 6.74 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 16.06 feet

Purging Activities

Purged By: JC Purge Date: 2/7/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $16.06 \text{ ft.} \times 0.022 = 0.35 \text{ L} \times 3 \text{ Vol.} = 1.05 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Cloudy Odor: None Color: It brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:45	0.0	231	purge start time						
8:49	0.9	↓	6.48	3,451.40	11.30	1.04	-45.30	127.78	
8:52	1.6		6.52	3,452.60	11.37	0.88	-56.40	107.79	
8:55	2.3		6.54	3,461.80	11.11	0.83	-60.00	101.17	
8:58	3.0		6.55	3,464.60	10.68	0.79	-61.30	105.76	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/7/2025 8:58
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.55 pH 3,464.60 Spec. Cond. 10.68 Temp
Field Filtered: No Filter Type:
Water Level: 8.70 feet below TOC Drawdown: 1.96 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/7/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G314D
Sample ID: 070
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 38 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 14:02 Static Water Level: 6.04 feet below TOC
Total Depth: 52.30 feet below TOC
Water Column: 46.26 feet

Purging Activities

Purged By: JC Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 46.26 ft. x 0.022 = 1.02 L x 3 Vol. = 3.06 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:03	0.0	214	purge start time						
14:07	0.9	↓	6.92	2,372.90	11.98	1.13	-94.60	143.68	
14:10	1.5		6.90	2,371.50	12.17	0.74	-98.60	200.80	
14:13	2.1		6.90	2,364.30	12.13	0.59	-102.80	187.58	
14:16	2.8		6.91	2,373.90	12.43	0.52	-106.20	239.26	
14:19	3.4		6.91	2,376.20	12.40	0.48	-109.30	372.27	
14:22	4.1		6.91	2,374.60	12.36	0.45	-114.50	215.12	
14:25	4.7		6.91	2,368.80	12.48	0.43	-120.20	335.68	
14:28	5.4		6.92	2,384.80	12.39	0.43	-124.10	96.79	
14:31	6.0		6.92	2,380.00	11.77	0.43	-126.90	96.24	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/6/2025 14:31
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.92 pH 2,380.00 Spec. Cond. 11.77 Temp
Field Filtered: No Filter Type:
Water Level: 14.39 feet below TOC Drawdown: 8.35 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G315
Sample ID: 071
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 28 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 10:31 Static Water Level: 2.59 feet below TOC
Total Depth: 17.40 feet below TOC
Water Column: 14.81 feet

Purging Activities

Purged By: JC Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.81 ft. x 0.022 = 0.33 L x 3 Vol. = 0.99 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:31	0.0	294	purge start time						
10:36	1.5	↓	6.77	1,087.60	10.79	1.72	93.70	4.93	
10:39	2.4		6.76	1,083.60	10.96	1.32	94.60	4.48	
10:42	3.2		6.76	1,078.80	11.08	1.13	94.90	2.59	
10:45	4.1		6.76	1,076.80	11.09	1.03	94.90	1.68	
10:48	5.0		6.76	1,075.20	11.15	0.95	94.80	1.54	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/10/2025 10:48
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.76 pH 1,075.20 Spec. Cond. 11.15 Temp
Field Filtered: No Filter Type:
Water Level: 3.30 feet below TOC Drawdown: 0.71 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G316
Sample ID: 072
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 31 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 11:52 Static Water Level: 2.03 feet below TOC
Total Depth: 18.10 feet below TOC
Water Column: 16.07 feet

Purging Activities

Purged By: JC Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $16.07 \text{ ft.} \times 0.022 = 0.35 \text{ L} \times 3 \text{ Vol.} = 1.05 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:53	0.0	286	purge start time						
11:58	1.4	↓	7.05	1,663.50	10.30	2.39	-104.10	53.20	
12:01	2.3		7.03	1,689.20	10.30	2.22	-106.70	32.12	
12:04	3.1		6.97	1,762.20	10.47	1.83	-107.40	17.87	
12:07	4.0		6.95	1,783.20	10.57	1.81	-108.50	12.86	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/10/2025 12:07
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.95 pH 1,783.20 Spec. Cond. 10.57 Temp
Field Filtered: No Filter Type:
Water Level: 2.91 feet below TOC Drawdown: 0.88 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G401
Sample ID: 073
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 37 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 13:51 Static Water Level: 21.26 feet below TOC
Total Depth: 21.80 feet below TOC
Water Column: 0.54 feet

Purging Activities

Purged By: JC Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 0.5399999999999999 ft. x 0.022 = 0.01 L x 3 Vol. = 0.0: *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:51	0.0	200	purge start time						
13:54	0.6	↓	6.10	1,154.90	13.19	3.09	99.80	82.23	
13:57	1.2		6.07	1,153.10	12.83	2.73	108.00	47.23	
14:00	1.8		6.03	1,200.10	13.04	2.45	105.90	19.84	
14:03	2.4		5.98	1,280.40	12.94	2.14	106.60	9.43	
14:06	3.0		5.97	1,308.40	13.08	2.05	97.70	10.15	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/10/2025 14:06
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 5.97 pH 1,308.40 Spec. Cond. 13.08 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 21.75 feet below TOC Drawdown: 0.49 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G402
Sample ID: 074
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 12:51 Static Water Level: 8.60 feet below TOC
Total Depth: 23.40 feet below TOC
Water Column: 14.80 feet

Purging Activities

Purged By: JC Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $14.8 \text{ ft.} \times 0.022 = 0.33 \text{ L} \times 3 \text{ Vol.} = 0.99 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:52	0.0	207	purge start time						
13:03	2.3	↓	6.84	1,511.40	11.80	6.49	84.60	19.39	
13:06	2.9		6.86	1,512.60	11.66	7.08	88.30	19.12	
13:09	3.5		6.87	1,513.50	11.54	7.50	91.50	18.11	
13:12	4.1		6.89	1,514.50	11.61	7.87	93.60	17.74	
13:15	4.8		6.89	1,515.40	11.60	8.06	95.30	17.47	
13:18	5.4		6.90	1,515.90	11.60	8.23	96.80	16.34	
13:21	6.0		6.90	1,519.50	11.69	8.21	97.70	15.99	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/10/2025 13:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.90 pH 1,519.50 Spec. Cond. 11.69 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 9.30 feet below TOC Drawdown: 0.70 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G403
Sample ID: 075
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 11:36 Static Water Level: 5.78 feet below TOC
Total Depth: 20.80 feet below TOC
Water Column: 15.02 feet

Purging Activities

Purged By: JC Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $15.02 \text{ ft.} \times 0.022 = 0.33 \text{ L} \times 3 \text{ Vol.} = 0.99 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:37	0.0	250	purge start time						
11:40	0.8	↓	6.87	594.50	11.52	2.47	91.30	9.15	
11:43	1.5		6.86	593.40	10.96	2.26	94.00	5.00	
11:46	2.3		6.86	593.50	11.31	2.13	95.90	4.31	
11:49	3.0		6.86	594.20	11.25	2.07	97.50	3.22	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/6/2025 11:49
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.86 pH 594.20 Spec. Cond. 11.25 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 8.91 feet below TOC Drawdown: 3.13 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G404
Sample ID: 076
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 10:47 Static Water Level: 3.16 feet below TOC
Total Depth: 14.10 feet below TOC
Water Column: 10.94 feet

Purging Activities

Purged By: JC Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $10.94 \text{ ft.} \times 0.022 = 0.24 \text{ L} \times 3 \text{ Vol.} = 0.72 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 9.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:48	0.0	264	purge start time						
10:51	0.8	↓	6.83	1,153.80	9.33	2.53	78.50	8.36	
10:54	1.6		6.98	768.10	8.34	3.30	72.80	2.82	
10:57	2.4		6.98	747.00	8.36	3.23	71.30	2.01	
11:00	3.2		6.96	755.10	8.41	3.01	68.60	1.19	
11:03	4.0		6.93	765.50	8.60	2.79	66.70	0.65	
11:06	4.8		6.91	787.10	8.71	2.59	65.70	0.68	
11:09	5.5		6.88	823.40	8.72	2.28	66.30	0.33	
11:12	6.3		6.85	858.90	8.77	1.96	66.60	0.38	
11:15	7.1		6.83	882.80	8.74	1.73	66.90	0.22	
11:18	7.9		6.81	907.80	8.73	1.53	66.30	0.23	
11:21	8.7		6.80	926.30	8.83	1.38	65.60	0.27	
11:24	9.5		6.79	941.10	8.78	1.29	65.60	-0.03	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/6/2025 11:24
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.79 pH 941.10 Spec. Cond. 8.78 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 5.21 feet below TOC Drawdown: 2.05 feet

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

- Field Meter: 50115

Form Completed By: 

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G405
Sample ID: 077
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 11:48 Static Water Level: 6.21 feet below TOC
Total Depth: 16.40 feet below TOC
Water Column: 10.19 feet

Purging Activities

Purged By: JC Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.19 ft. x 0.022 = 0.22 L x 3 Vol. = 0.66 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:49	0.0	222	purge start time						
11:52	0.7	↓	7.08	1,598.90	10.41	4.36	57.10	22.48	
11:55	1.3		6.94	1,881.60	10.99	2.26	47.40	8.44	
11:58	2.0		6.92	1,931.80	11.19	1.42	44.20	6.51	
12:01	2.7		6.92	1,951.50	11.26	1.10	42.50	4.69	
12:04	3.3		6.91	1,954.80	11.31	0.97	41.30	3.40	
12:07	4.0		6.91	1,954.90	11.33	0.90	40.90	2.80	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/5/2025 12:07
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.91 pH 1,954.90 Spec. Cond. 11.33 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.83 feet below TOC Drawdown: 0.62 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G406
Sample ID: 078
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 12:04 Static Water Level: 10.35 feet below TOC
Total Depth: 22.30 feet below TOC
Water Column: 11.95 feet

Purging Activities

Purged By: JC Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.95 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:05	0.0	250	purge start time						
12:09	1.0	↓	6.61	1,098.70	13.00	2.57	112.30	1.04	
12:12	1.8		6.61	1,103.00	13.15	1.91	114.80	1.08	
12:15	2.5		6.62	1,104.50	13.01	1.75	116.10	1.01	
12:18	3.3		6.62	1,104.10	13.02	1.61	117.00	0.59	
12:21	4.0		6.62	1,103.30	13.17	1.52	117.90	0.08	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/6/2025 12:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.62 pH 1,103.30 Spec. Cond. 13.17 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.83 feet below TOC Drawdown: 0.48 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G407
Sample ID: 079
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 36 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 12:35 Static Water Level: 5.14 feet below TOC
Total Depth: 23.00 feet below TOC
Water Column: 17.86 feet

Purging Activities

Purged By: JC Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 17.86 ft. x 0.022 = 0.39 L x 3 Vol. = 1.17 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:36	0.0	180	purge start time						
12:40	0.7	↓	6.53	2,598.00	11.51	2.34	89.50	7.45	
12:43	1.3		6.59	2,480.10	10.64	2.48	92.50	6.07	
12:46	1.8		6.70	2,210.80	10.42	3.02	94.80	7.45	
12:49	2.3		6.85	1,917.60	10.33	4.73	93.90	8.30	
12:52	2.9		6.93	1,803.00	10.21	5.61	94.20	9.05	
12:55	3.4		6.96	1,769.80	10.31	5.89	95.40	8.96	
12:58	4.0		6.95	1,772.30	10.43	5.87	96.90	9.63	
13:01	4.5		6.94	1,780.30	10.59	5.72	98.30	9.94	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/6/2025 13:01
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.94 pH 1,780.30 Spec. Cond. 10.59 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 9.42 feet below TOC Drawdown: 4.28 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G410
Sample ID: 080
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 38 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 13:13 Static Water Level: 7.46 feet below TOC
Total Depth: 16.70 feet below TOC
Water Column: 9.24 feet

Purging Activities

Purged By: JC Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $9.24 \text{ ft.} \times 0.022 = 0.2 \text{ L} \times 3 \text{ Vol.} = 0.6 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:16	0.0	190	purge start time						
13:22	1.1	↓	6.73	773.50	10.92	3.45	21.10	6.16	
13:25	1.7		6.70	779.80	10.99	3.11	14.40	3.61	
13:28	2.3		6.68	794.20	11.02	2.69	10.30	2.53	
13:31	2.9		6.67	805.30	11.03	2.37	8.10	2.62	
13:34	3.4		6.68	806.70	11.08	2.83	7.40	2.06	
13:37	4.0		6.68	807.50	11.01	2.82	7.30	2.06	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/6/2025 13:37
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.68 pH 807.50 Spec. Cond. 11.01 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 9.50 feet below TOC Drawdown: 2.04 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G411
Sample ID: 081
Date (s): 2/7/2025

Field Team Members

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

Weather Conditions

Temp: 33 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/7/2025 9:44 Static Water Level: 6.18 feet below TOC
Total Depth: 19.20 feet below TOC
Water Column: 13.02 feet

Purging Activities

Purged By: JC Purge Date: 2/7/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $13.02 \text{ ft.} \times 0.022 = 0.29 \text{ L} \times 3 \text{ Vol.} = 0.87 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:45	0.0	321	purge start time						
9:50	1.6	↓	7.22	738.70	11.14	1.73	55.10	2.42	
9:53	2.6		7.21	741.90	11.26	1.43	54.60	3.50	
9:56	3.5		7.21	744.30	11.18	1.31	54.40	1.75	
9:59	4.5		7.21	747.60	11.30	1.23	54.30	0.53	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/7/2025 9:59
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.21 pH 747.60 Spec. Cond. 11.30 Temp
Field Filtered: No Filter Type:
Water Level: 6.73 feet below TOC Drawdown: 0.55 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/7/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: L201
Sample ID: 082
Date (s): 2/11/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F

Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy

Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad Other (see note)
Casing Other (see note)
Protective Casing Other (see note)
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: - -

Static Water Level: - feet below TOC

Total Depth: - feet below TOC

Water Column: #VALUE! feet

Purging Activities

Purged By: TC

Purge Date:

Purge Method: Direct Grab

Well Diameter:

Purge Volume Calculation (L):

Actual Purge Volume (L):

Physical appearance of purge water: Slightly cloudy

Odor: Slight

Color: Light brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:18	0.5	-	11.72	12,584.70	10.96	4.35	153.20	2.16	

Sampling Activities

Sampled By: TC

Sample Date/Time: 2/11/2025 10:18

Sample Method: Direct Sample

Sample Equipment: Direct Grab

Sample Parameters: 11.72 pH 12,584.70 Spec. Cond. 10.96 Temp

Field Filtered: No Filter Type:

Water Level: - feet below TOC Drawdown: feet

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

- Field Meter: 210756
- Sampled directly from leachate line

Form Completed By:

Tracy Carroll

Date: 2/11/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: L202
Sample ID: 083
Date (s): 2/11/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F

Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy

Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad Other (see note)
Casing Other (see note)
Protective Casing Other (see note)
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: - -

Static Water Level: - feet below TOC

Total Depth: - feet below TOC

Water Column: feet

Purging Activities

Purged By: TC Purge Date:

Purge Method: Direct Grab Well Diameter:

Purge Volume Calculation (L):

Actual Purge Volume (L):

Physical appearance of purge water: Slightly cloudy Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:22	0.5	-	11.78	14,312.70	13.38	3.61	125.20	7.42	

Sampling Activities

Sampled By: TC Sample Date/Time: 2/11/2025 10:22

Sample Method: Direct Sample Sample Equipment: Direct Grab

Sample Parameters: 11.78 pH 14,312.70 Spec. Cond. 13.38 Temp

Field Filtered: No Filter Type:

Water Level: - feet below TOC Drawdown: feet

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

- Field Meter: 210756
- Sampled directly from leachate line

Form Completed By:

Tracy Carroll

Date: 2/11/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: L203
Sample ID: 084
Date (s): 2/11/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Other (see note)	Locks	Yes	No
Casing	Other (see note)	Protective Casing		X
Protective Casing	Other (see note)	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: - - Static Water Level: - feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: TC Purge Date:
Purge Method: Direct Grab Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Slightly cloudy Odor: Slight Color: Light brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:28	0.5	-	11.67	13,209.40	16.19	3.18	104.70	6.75	

Sampling Activities

Sampled By: TC Sample Date/Time: 2/11/2025 10:28
Sample Method: Direct Sample Sample Equipment: Direct Grab
Sample Parameters: 11.67 pH 13,209.40 Spec. Cond. 16.19 Temp
Field Filtered: No Filter Type:
Water Level: - feet below TOC Drawdown: feet

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

- Field Meter: 210756
- Sampled directly from leachate line

Form Completed By:

Tracy Carroll

Date: 2/11/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: NE Riser
Sample ID: 085
Date (s): 2/11/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Locks
Protective Casing
Well

Yes	No
	X
	X

Groundwater Level Measurements

Date/Time Measured: - -

Static Water Level: - feet below TOC
Total Depth: - feet below TOC
Water Column: feet

Purging Activities

Purged By: TC Purge Date: 2/11/2025
Purge Method: Bladder Pump Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:44	0.0	279	purge start time						
9:45	0.3	↓	6.56	17,289.70	6.73	2.52	288.90	3.96	
9:48	1.1		6.67	17,438.10	6.85	0.99	296.10	3.62	
9:51	2.0		6.68	17,440.80	6.90	0.67	291.60	2.10	

Sampling Activities

Sampled By: TC Sample Date/Time: 2/11/2025 9:51
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.68 pH 17,440.80 Spec. Cond. 6.90 Temp
Field Filtered: No Filter Type:
Water Level: feet below TOC Drawdown: feet

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

- Field Meter: 210756

Form Completed By:

Tracy Carroll

Date: 2/11/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: R104
Sample ID: 086
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 44 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 13:47 Static Water Level: 8.32 feet below TOC
Total Depth: 22.70 feet below TOC
Water Column: 14.38 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.38 ft. x 0.022 = 0.32 L x 3 Vol. = 0.96 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:48	0.0	214	purge start time						
13:53	1.1	↓	7.50	771.10	12.23	6.43	136.40	2.53	
13:56	1.7		7.49	770.10	12.01	6.29	137.90	2.74	
13:59	2.4		7.49	769.90	11.80	6.25	139.20	2.41	
14:02	3.0		7.49	768.90	11.85	6.21	140.20	2.37	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 14:02
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.49 pH 768.90 Spec. Cond. 11.85 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.19 feet below TOC Drawdown: 1.87 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: R201
Sample ID: 087
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 26 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 9:48 Static Water Level: 2.81 feet below TOC
Total Depth: 22.20 feet below TOC
Water Column: 19.39 feet

Purging Activities

Purged By: BG Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 19.39 ft. x 0.022 = 0.43 L x 3 Vol. = 1.29 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:48	0.0	138	purge start time						
10:02	1.9	↓	6.91	1,169.00	9.91	2.78	-18.80	66.17	
10:05	2.3		6.91	1,166.90	10.03	2.50	-13.90	55.95	
10:08	2.8		6.91	1,167.20	10.08	2.30	-12.00	55.91	
10:11	3.2		6.91	1,163.00	10.00	2.17	-9.40	53.32	
10:14	3.6		6.91	1,156.20	10.33	2.07	-7.70	89.60	
10:17	4.0		6.91	1,156.40	10.49	1.92	-4.70	126.41	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/10/2025 10:17
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.91 pH 1,156.40 Spec. Cond. 10.49 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 3.27 feet below TOC Drawdown: 0.46 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: R205
Sample ID: 088
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 33 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 11:06 Static Water Level: 5.03 feet below TOC
Total Depth: 19.00 feet below TOC
Water Column: 13.97 feet

Purging Activities

Purged By: BG Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $13.97 \text{ ft.} \times 0.022 = 0.31 \text{ L} \times 3 \text{ Vol.} = 0.93 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:06	0.0	225	purge start time						
11:17	2.5	↓	6.72	1,278.00	8.74	3.51	113.90	31.44	
11:20	3.2		6.72	1,278.30	8.88	3.21	115.40	25.64	
11:23	3.8		6.73	1,278.70	9.04	2.96	116.20	21.76	
11:26	4.5		6.72	1,271.10	10.53	2.66	116.10	18.94	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/10/2025 11:26
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.72 pH 1,271.10 Spec. Cond. 10.53 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 5.82 feet below TOC Drawdown: 0.79 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: SG-02
Sample ID: 089
Date (s): 2/3/2025

Field Team Members

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

Weather Conditions

Temp: 60 °F

Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy

Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: 2/3/2025 12:15

Static Water Level: 5.81 feet below TOC

Total Depth: - feet below TOC

Water Column: feet

Purging Activities

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

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

Sampling Activities

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

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

- DTW only; no sample

Form Completed By:

Justin Colp

Date: 2/3/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: SG-03
Sample ID: 090
Date (s): 2/3/2025

Field Team Members

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

Weather Conditions

Temp: 60 °F

Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy

Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: 2/3/2025 12:00

Static Water Level: 8.34 feet below TOC

Total Depth: - feet below TOC

Water Column: feet

Purging Activities

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

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

Sampling Activities

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

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

- DTW only; no sample

Form Completed By:

Justin Colp

Date: 2/3/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: T127
Sample ID: 091
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 38 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 9:51 Static Water Level: 14.84 feet below TOC
Total Depth: 21.28 feet below TOC
Water Column: 6.44 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 6.44 ft. x 0.022 = 0.14 L x 3 Vol. = 0.42 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:52	0.0	200	purge start time						
9:56	0.8	↓	7.16	753.90	11.87	3.78	147.10	12.11	
9:59	1.4		7.14	750.70	12.11	3.14	147.60	14.03	
10:02	2.0		7.11	752.80	12.21	2.80	147.70	11.88	
10:05	2.6		7.10	752.50	12.30	2.52	147.60	10.37	
10:08	3.2		7.09	751.90	12.41	2.29	147.10	9.22	
10:11	3.8		7.09	752.30	12.38	2.18	146.80	8.95	
10:14	4.4		7.08	750.90	13.01	1.94	146.50	8.06	
10:17	5.0		7.08	753.70	12.65	1.86	146.20	8.06	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 10:17
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.08 pH 753.70 Spec. Cond. 12.65 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.00 feet below TOC Drawdown: 0.16 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: T128
Sample ID: 092
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 38 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 10:29 Static Water Level: 14.41 feet below TOC
Total Depth: 28.70 feet below TOC
Water Column: 14.29 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.29 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:29	0.0	200	purge start time						
10:33	0.8	↓	7.14	739.00	12.98	3.67	147.40	2.64	
10:36	1.4		7.12	738.00	12.90	2.94	147.70	2.65	
10:39	2.0		7.09	737.80	13.05	2.62	145.60	2.02	
10:42	2.6		7.06	738.20	13.03	2.20	139.90	1.82	
10:45	3.2		7.04	737.70	13.18	1.86	127.70	1.49	
10:48	3.8		7.02	737.60	13.14	1.66	115.30	1.15	
10:51	4.4		7.01	736.60	13.10	1.52	103.70	0.49	
10:54	5.0		7.02	737.40	13.26	1.61	92.90	0.21	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 10:54
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.02 pH 737.40 Spec. Cond. 13.26 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 14.55 feet below TOC Drawdown: 0.14 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: X201
Sample ID: 093
Date (s): 2/11/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Other (see note)	Locks	Yes	No
Casing	Other (see note)	Protective Casing		X
Protective Casing	Other (see note)	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 2/11/2025 10:08 Static Water Level: 26.87 feet below TOC
Total Depth: - feet below TOC
Water Column: feet

Purging Activities

Purged By: TC Purge Date: 2/11/2025
Purge Method: Direct Grab Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L): L
Physical appearance of purge water: Slightly cloudy Odor: Slight Color: Light brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:10	0.5	N/A	6.42	21,041.20	3.85	11.26	199.50	1.24	

Sampling Activities

Sampled By: TC Sample Date/Time: 2/11/2025 10:10
Sample Method: Direct Sample Sample Equipment: Direct Grab
Sample Parameters: 6.42 pH 21,041.20 Spec. Cond. 3.85 Temp
Field Filtered: No Filter Type:
Water Level: - feet below TOC Drawdown: feet

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

- Field Meter: 210756

Form Completed By:

Tracy Carroll

Date: 2/11/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: XPW01
Sample ID: 094
Date (s): 2/11/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/11/2025 10:01 Static Water Level: 5.66 feet below TOC
Total Depth: 16.10 feet below TOC
Water Column: 10.44 feet

Purging Activities

Purged By: JC Purge Date: 2/11/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.44 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Cloudy Odor: None Color: lt brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:02	0.0	250	purge start time						
10:05	0.7	↓	7.77	1,137.60	13.35	2.10	93.60	474.32	
10:08	1.5		7.77	1,138.80	13.41	1.15	86.50	171.37	
10:11	2.2		7.78	1,137.70	13.58	0.98	68.50	103.35	
10:14	3.0		7.78	1,137.20	13.57	0.89	34.40	67.37	
10:17	3.8		7.78	1,136.30	13.64	0.84	-8.10	53.03	
10:20	4.5		7.78	1,135.50	13.66	0.80	-45.50	42.54	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/11/2025 10:20
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.78 pH 1,135.50 Spec. Cond. 13.66 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 5.72 feet below TOC Drawdown: 0.06 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/11/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: XPW02
Sample ID: 095
Date (s): 2/11/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/11/2025 10:26 Static Water Level: 10.85 feet below TOC
Total Depth: 21.30 feet below TOC
Water Column: 10.45 feet

Purging Activities

Purged By: JC Purge Date: 2/11/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $10.45 \text{ ft.} \times 0.022 = 0.23 \text{ L} \times 3 \text{ Vol.} = 0.69 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Cloudy Odor: None Color: It brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:26	0.0	231	purge start time						
10:30	0.9	↓	7.49	789.20	16.17	1.88	-145.80	19.16	
10:33	1.6		7.48	754.30	16.41	1.10	-155.60	11.00	
10:36	2.3		7.48	747.40	16.41	0.94	-158.60	26.51	
10:39	3.0		7.48	748.00	16.43	0.86	-161.40	21.94	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/11/2025 10:39
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.48 pH 748.00 Spec. Cond. 16.43 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.87 feet below TOC Drawdown: 0.02 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/11/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: XSG-01
Sample ID: 096
Date (s): 2/3/2025

Field Team Members

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

Weather Conditions

Temp: 60 °F

Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy

Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		
Well		

Groundwater Level Measurements

Date/Time Measured: 2/3/2025 10:45

Static Water Level: 6.72 feet below TOC

Total Depth: feet below TOC

Water Column: feet

Purging Activities

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

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

Sampling Activities

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

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

- DTW only; no sample

Form Completed By:

Justin Colp

Date:

2/3/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: Field Blank
Sample ID: 097
Date (s): 2/11/2025

Field Team Members

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

Weather Conditions

Temp: 35 °F

Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☒ None ☐ Light ☐ Heavy

Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks
Protective Casing
Well

Yes	No

Groundwater Level Measurements

Date/Time Measured: - -

Static Water Level: - feet below TOC

Total Depth: - feet below TOC

Water Column: feet

Purging Activities

Purged By: TC Purge Date: 2/11/2025

Purge Method: Direct Grab Well Diameter:

Purge Volume Calculation (L):

Actual Purge Volume (L):

Physical appearance of purge water: Clear

Odor: None Color: None

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

Sampling Activities

Sampled By: TC Sample Date/Time: 2/11/2025 11:01

Sample Method: Direct Sample Sample Equipment: Direct Grab

Sample Parameters: pH Spec. Cond. Temp

Field Filtered: Filter Type:

Water Level: - feet below TOC Drawdown: #VALUE! feet

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

- QA/QC Sample

Form Completed By:

Tracy Carroll

Date: 2/11/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G108 Duplicate
Sample ID: 098
Date (s): 2/5/2025

Field Team Members

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

Weather Conditions

Temp: 32 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/5/2025 8:52 Static Water Level: 10.09 feet below TOC
Total Depth: 26.60 feet below TOC
Water Column: 16.51 feet

Purging Activities

Purged By: JC Purge Date: 2/5/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.51 ft. x 0.022 = 0.36 L x 3 Vol. = 1.08 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:52	0.0	233	purge start time						
8:58	1.4	↓	7.33	737.90	12.69	5.51	89.40	6.67	
9:01	2.1		7.33	738.80	12.72	5.24	89.80	5.92	
9:04	2.8		7.30	738.70	12.60	4.75	90.60	6.01	
9:07	3.5		7.27	739.70	12.71	4.07	91.40	4.83	
9:10	4.2		7.25	739.80	12.76	3.68	91.80	3.38	
9:13	4.9		7.23	739.00	12.80	3.26	92.20	3.22	
9:16	5.6		7.21	740.50	12.62	2.88	92.60	2.52	
9:19	6.3		7.20	739.50	12.30	2.59	93.00	2.50	
9:22	7.0		7.20	739.10	12.21	2.47	93.20	2.20	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/5/2025 9:22
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.20 pH 739.10 Spec. Cond. 12.21 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.52 feet below TOC Drawdown: 1.43 feet

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

- Field Meter: 50115

Form Completed By: 

Date: 2/5/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G125 Duplicate
Sample ID: 099
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 42 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 11:56 Static Water Level: 14.29 feet below TOC
Total Depth: 26.70 feet below TOC
Water Column: 12.41 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $12.41 \text{ ft.} \times 0.022 = 0.27 \text{ L} \times 3 \text{ Vol.} = 0.81 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:56	0.0	269	purge start time						
12:00	1.1	↓	7.28	903.80	13.82	6.07	148.70	5.12	
12:03	1.9		7.25	902.70	13.84	5.83	150.50	9.77	
12:06	2.7		7.25	904.30	13.99	5.66	151.20	13.22	
12:09	3.5		7.22	911.00	13.88	5.76	151.50	15.10	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 12:09
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.22 pH 911.00 Spec. Cond. 13.88 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.92 feet below TOC Drawdown: 1.63 feet

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

- Field Meter: 50115
- Used 6 field filters to fill containers

Form Completed By:

Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: R205 Duplicate
Sample ID: 100
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 33 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 11:06 Static Water Level: 5.03 feet below TOC
Total Depth: 19.00 feet below TOC
Water Column: 13.97 feet

Purging Activities

Purged By: BG Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $13.97 \text{ ft.} \times 0.022 = 0.31 \text{ L} \times 3 \text{ Vol.} = 0.93 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:06	0.0	225	purge start time						
11:17	2.5	↓	6.72	1,278.00	8.74	3.51	113.90	31.44	
11:20	3.2		6.72	1,278.30	8.88	3.21	115.40	25.64	
11:23	3.8		6.73	1,278.70	9.04	2.96	116.20	21.76	
11:26	4.5		6.72	1,271.10	10.53	2.66	116.10	18.94	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/10/2025 11:26
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.72 pH 1,271.10 Spec. Cond. 10.53 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 5.82 feet below TOC Drawdown: 0.79 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: R201 Duplicate
Sample ID: 101
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 26 °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☒ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 9:48 Static Water Level: 2.81 feet below TOC
Total Depth: 22.20 feet below TOC
Water Column: 19.39 feet

Purging Activities

Purged By: BG Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $19.39 \text{ ft.} \times 0.022 = 0.43 \text{ L} \times 3 \text{ Vol.} = 1.29 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:48	0.0	138	purge start time						
10:05	2.3	↓	6.91	1,166.90	10.03	2.50	-13.90	55.95	
10:08	2.8		6.91	1,167.20	10.08	2.30	-12.00	55.91	
10:11	3.2		6.91	1,163.00	10.00	2.17	-9.40	53.32	
10:14	3.6		6.91	1,156.20	10.33	2.07	-7.70	89.60	
10:17	4.0		6.91	1,156.40	10.49	1.92	-4.70	126.41	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/10/2025 10:17
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.91 pH 1,156.40 Spec. Cond. 10.49 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 3.27 feet below TOC Drawdown: 0.46 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G305 Duplicate
Sample ID: 102
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 34 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 11:57 Static Water Level: 6.46 feet below TOC
Total Depth: 21.50 feet below TOC
Water Column: 15.04 feet

Purging Activities

Purged By: BG Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $15.04 \text{ ft.} \times 0.022 = 0.33 \text{ L} \times 3 \text{ Vol.} = 0.99 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:57	0.0	167	purge start time						
12:06	1.5	↓	7.18	1,614.10	11.59	3.41	88.00	36.84	
12:09	2.0		7.16	1,614.30	11.51	2.90	90.40	22.29	
12:12	2.5		7.16	1,613.50	11.53	2.56	91.30	16.09	
12:15	3.0		7.16	1,613.50	11.46	2.33	91.60	13.20	
12:18	3.5		7.15	1,613.90	12.21	2.11	91.30	11.04	
12:21	4.0		7.14	1,617.60	12.44	1.94	90.50	11.01	

Sampling Activities

Sampled By: BG Sample Date/Time: 2/10/2025 12:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.14 pH 1,617.60 Spec. Cond. 12.44 Temp
Field Filtered: No Filter Type:
Water Level: 7.01 feet below TOC Drawdown: 0.55 feet

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

- Field Meter: 45720

Form Completed By:

Brett Gillihan

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G303 Duplicate
Sample ID: 103
Date (s): 2/10/2025

Field Team Members

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

Weather Conditions

Temp: 31 °F Wind Direction: ☐ N ☐ S ☐ E ☒ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/10/2025 10:59 Static Water Level: 5.09 feet below TOC
Total Depth: 23.30 feet below TOC
Water Column: 18.21 feet

Purging Activities

Purged By: JC Purge Date: 2/10/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $18.21 \text{ ft.} \times 0.022 = 0.4 \text{ L} \times 3 \text{ Vol.} = 1.2 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:00	0.0	217	purge start time						
11:05	1.1	↓	6.83	1,818.70	10.72	3.35	1.80	11.97	
11:08	1.7		6.82	1,815.70	10.42	3.15	25.00	17.58	
11:11	2.4		6.81	1,814.50	10.58	2.94	37.10	20.89	
11:14	3.0		6.81	1,809.40	10.76	2.83	45.60	24.89	
11:17	3.7		6.81	1,808.90	10.98	2.63	51.20	29.16	
11:20	4.3		6.81	1,806.10	11.04	2.53	55.30	36.25	
11:23	5.0		6.81	1,801.30	11.20	2.48	58.30	61.85	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/10/2025 11:23
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.81 pH 1,801.30 Spec. Cond. 11.20 Temp
Field Filtered: No Filter Type:
Water Level: 6.51 feet below TOC Drawdown: 1.42 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/10/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G314D Duplicate
Sample ID: 104
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 38 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 14:02 Static Water Level: 6.04 feet below TOC
Total Depth: 52.30 feet below TOC
Water Column: 46.26 feet

Purging Activities

Purged By: JC Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $46.26 \text{ ft.} \times 0.022 = 1.02 \text{ L} \times 3 \text{ Vol.} = 3.06 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:03	0.0	214	purge start time						
14:07	0.9	↓	6.92	2,372.90	11.98	1.13	-94.60	143.68	
14:10	1.5		6.90	2,371.50	12.17	0.74	-98.60	200.80	
14:13	2.1		6.90	2,364.30	12.13	0.59	-102.80	187.58	
14:16	2.8		6.91	2,373.90	12.43	0.52	-106.20	239.26	
14:19	3.4		6.91	2,376.20	12.40	0.48	-109.30	372.27	
14:22	4.1		6.91	2,374.60	12.36	0.45	-114.50	215.12	
14:25	4.7		6.91	2,368.80	12.48	0.43	-120.20	335.68	
14:28	5.4		6.92	2,384.80	12.39	0.43	-124.10	96.79	
14:31	6.0		6.92	2,380.00	11.77	0.43	-126.90	96.24	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/6/2025 14:31
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.92 pH 2,380.00 Spec. Cond. 11.77 Temp
Field Filtered: No Filter Type:
Water Level: 14.39 feet below TOC Drawdown: 8.35 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: G410 Duplicate
Sample ID: 105
Date (s): 2/6/2025

Field Team Members

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

Weather Conditions

Temp: 38 °F Wind Direction: ☐ N ☐ S ☒ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/6/2025 13:13 Static Water Level: 7.46 feet below TOC
Total Depth: 16.70 feet below TOC
Water Column: 9.24 feet

Purging Activities

Purged By: JC Purge Date: 2/6/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 9.24 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:16	0.0	190	purge start time						
13:22	1.1	↓	6.73	773.50	10.92	3.45	21.10	6.16	
13:25	1.7		6.70	779.80	10.99	3.11	14.40	3.61	
13:28	2.3		6.68	794.20	11.02	2.69	10.30	2.53	
13:31	2.9		6.67	805.30	11.03	2.37	8.10	2.62	
13:34	3.4		6.68	806.70	11.08	2.83	7.40	2.06	
13:37	4.0		6.68	807.50	11.01	2.82	7.30	2.06	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/6/2025 13:37
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.68 pH 807.50 Spec. Cond. 11.01 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 9.50 feet below TOC Drawdown: 2.04 feet

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

- Field Meter: 50115

Form Completed By: Justin Colp

Date: 2/6/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: R104 Duplicate
Sample ID: 106
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 44 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 13:47 Static Water Level: 8.32 feet below TOC
Total Depth: 22.70 feet below TOC
Water Column: 14.38 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $14.38 \text{ ft.} \times 0.022 = 0.32 \text{ L} \times 3 \text{ Vol.} = 0.96 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:48	0.0	214	purge start time						
13:53	1.1	↓	7.50	771.10	12.23	6.43	136.40	2.53	
13:56	1.7		7.49	770.10	12.01	6.29	137.90	2.74	
13:59	2.4		7.49	769.90	11.80	6.25	139.20	2.41	
14:02	3.0		7.49	768.90	11.85	6.21	140.20	2.37	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 14:02
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.49 pH 768.90 Spec. Cond. 11.85 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.19 feet below TOC Drawdown: 1.87 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: T128 Duplicate
Sample ID: 107
Date (s): 2/4/2025

Field Team Members

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

Weather Conditions

Temp: 38 °F Wind Direction: ☐ N ☒ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: 2/4/2025 10:29 Static Water Level: 14.41 feet below TOC
Total Depth: 28.70 feet below TOC
Water Column: 14.29 feet

Purging Activities

Purged By: JC Purge Date: 2/4/2025
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.29 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:29	0.0	200	purge start time						
10:33	0.8	↓	7.14	739.00	12.98	3.67	147.40	2.64	
10:36	1.4		7.12	738.00	12.90	2.94	147.70	2.65	
10:39	2.0		7.09	737.80	13.05	2.62	145.60	2.02	
10:42	2.6		7.06	738.20	13.03	2.20	139.90	1.82	
10:45	3.2		7.04	737.70	13.18	1.86	127.70	1.49	
10:48	3.8		7.02	737.60	13.14	1.66	115.30	1.15	
10:51	4.4		7.01	736.60	13.10	1.52	103.70	0.49	
10:54	5.0		7.02	737.40	13.26	1.61	92.90	0.21	

Sampling Activities

Sampled By: JC Sample Date/Time: 2/4/2025 10:54
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.02 pH 737.40 Spec. Cond. 13.26 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 14.55 feet below TOC Drawdown: 0.14 feet

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

- Field Meter: 50115

Form Completed By:

Justin Colp

Date: 2/4/2025



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: Equipment Blank 1
Sample ID: 108
Date (s):

Field Team Members

Name: Affiliation:
Name: Affiliation:

Weather Conditions

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

Well Observations

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

Groundwater Level Measurements

Date/Time Measured: Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

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

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

Sampling Activities

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

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

- No non-dedicated equipment used; no sample

Form Completed By: Date:



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: Equipment Blank 2
Sample ID: 109
Date (s):

Field Team Members

Name: Affiliation:
Name: Affiliation:

Weather Conditions

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

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks
Protective Casing
Well

Yes	No

Groundwater Level Measurements

Date/Time Measured: Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

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

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

Sampling Activities

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

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

- No non-dedicated equipment used; no sample

Form Completed By:

Date:



Field Data Sheet

Project Name: COF- 25Q1
Project Location: Coffeen, Illinois
W.O. Number (s): 25011232

Monitoring Point: Equipment Blank 3
Sample ID: 110
Date (s):

Field Team Members

Name: Affiliation:
Name: Affiliation:

Weather Conditions

Temp: °F Wind Direction: ☐ N ☐ S ☐ E ☐ EW ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy

Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks
Protective Casing
Well

Yes	No

Groundwater Level Measurements

Date/Time Measured:

Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

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

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

Sampling Activities

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

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

- No non-dedicated equipment used; no sample

Form Completed By:

Date:



Site Sampling Event: COF-25Q1
LIMS Workorder: 25011232
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
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 50115 Technician(s): Justin Colp Date: 2/4/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	2/4/25 8:44
7.0 Buffer	wc240913b	7.00	2/4/25 8:41
10.0 Buffer	wc240625b	10.00	2/4/25 8:47
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1411	2/4/25 8:51

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.06	2/4/25 8:51
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	2/4/25 8:56	13.4	7.01	1,410	0.06		
CCV-M-1-JC	CCV	2/4/25 11:59	14.4	7.03	1,416	0.09		
CCV-1-JC	CCV	2/4/25 15:30	16.1	7.03	1,422	0.1		

Comments:

Field Meter ID: Pine 50115 Technician(s): Justin Colp Date: 2/5/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	2/5/25 7:36
7.0 Buffer	wc240913b	7.00	2/5/25 7:32
10.0 Buffer	wc240625b	10.00	2/5/25 7:41
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/5/25 7:47

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.09	2/5/25 7:48
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	2/5/25 7:51	9.6	7.01	1,414	0.08		
CCV-M-2	CCV							
CCV-2-JC	CCV	2/5/25 12:11	13.7	7.04	1,426	0.12		

Comments:

Site Sampling Event: COF-25Q1
LIMS Workorder: 25011232
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
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 50115 Technician(s): Justin Colp Date: 2/6/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	2/6/25 8:24
7.0 Buffer	wc240913b	7.00	2/6/25 8:20
10.0 Buffer	wc240625b	10.00	2/6/25 8:28
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/6/25 8:38

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.12	2/6/25 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-3-JC	LCS	2/6/25 8:45	10	7.02	1,413	0.12		
CCV-M-3	CCV							
CCV-3-JC	CCV	2/6/25 14:45	17.6	7.02	1,379	0.19		

Comments:

Field Meter ID: Pine 50115 Technician(s): Justin Colp Date: 2/6/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	2/7/25 8:27
7.0 Buffer	wc240913b	7.00	2/7/25 8:24
10.0 Buffer	wc240625b	10.00	2/7/25 8:31
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/7/25 8:36

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.13	2/7/25 8:36
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-JC	LCS	2/7/25 8:39	9.2	7.02	1,413	0.11		
CCV-M-4	CCV							
CCV-4-JC	CCV	2/7/25 10:22	12.2	7.04	1,403	0.14		

Comments:

Site Sampling Event: COF-25Q1
LIMS Workorder: 25011232
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
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 50115 Technician(s): Justin Colp Date: 2/10/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	2/10/25 8:43
7.0 Buffer	wc240913b	7.00	2/10/25 8:34
10.0 Buffer	wc240625b	10.00	2/10/25 8:47
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/10/25 8:53

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.5	2/10/25 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-5-JC	LCS	2/10/25 8:57	17.7	7.01	1,410	0.51		
CCV-M-5	CCV							
CCV-5-JC	CCV	2/10/25 14:30	18	7.04	1,372	0.55		

Comments:

Field Meter ID: Pine 50115 Technician(s): Justin Colp Date: 2/11/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	2/11/25 8:22
7.0 Buffer	wc240913b	7.00	2/11/25 8:19
10.0 Buffer	wc240625b	10.00	2/11/25 8:27
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/11/25 8:34

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.56	2/11/25 8:34
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-6-JC	LCS	2/11/25 8:39	9.1	7.02	1,411	0.54		
CCV-M-6	CCV							
CCV-6-JC	CCV	2/11/25 11:39	10.2	7.04	1,389	0.71		

Comments:

Site Sampling Event: COF-25Q1
LIMS Workorder: 25011232
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
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 210756 Technician(s): Tracy Carroll Date: 2/10/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	2/10/25 10:17
7.0 Buffer	WC240913B	7.03	2/10/25 10:13
10.0 Buffer	WC240612A	10.00	2/10/25 10:19
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/10/25 10:23

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-TC	LCS	2/10/25 10:27	18.8	7.07	1,412	0.68		
CCV-1-TC	CCV	2/10/25 15:03	18.9	7.08	1,444	0.77		

Comments: _____

Field Meter ID: Pine 210756 Technician(s): Tracy Carroll Date: 2/11/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	2/11/25 9:33
7.0 Buffer	WC240913B	7.00	2/11/25 9:28
10.0 Buffer	WC240612A	10.00	2/11/25 9:35
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/11/25 9:37

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-TC	LCS	2/11/25 9:40	7.7	7.05	1,413	1.76		
CCV-2-TC	CCV	2/11/25 11:09	9.7	7.03	1,491	1.02		

Comments: _____

Site Sampling Event: COF-25Q1
 LIMS Workorder: 25011232
 Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
 Coffeen- 1Q 2025

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2025
 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 210756 Technician(s): Tracy Carroll Date: 2/28/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230619C	4.00	2/28/25 9:30
7.0 Buffer	WC240913B	7.00	2/28/25 9:29
10.0 Buffer	WC240612A	10.00	2/28/25 9:37
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1412	2/28/25 9:37

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-TC	LCS	2/28/25 9:47	9.7	6.97	1,410	0.96		
CCV-3-TC	CCV	2/28/25 10:35	13	6.97	1,430	0.9		

Comments: _____

Site Sampling Event: COF-25Q1
LIMS Workorder: 25011232
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
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 45720 Technician(s): Brett Gillihan Date: 2/5/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	2/5/25 8:33
7.0 Buffer	WC240913B	6.98	2/5/25 8:30
10.0 Buffer	WC240625B	10.00	2/5/25 8:35
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1419	2/5/25 8:37

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-BG	LCS	2/5/25 8:39	17.5	6.98	1,419	0.98		
CCV-1-BG	CCV	2/5/25 14:37	18.3	7.00	1,419	1.16		

Comments:

Field Meter ID: Pine 45720 Technician(s): Brett Gillihan Date: 2/7/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	2/7/25 8:17
7.0 Buffer	WC240913B	6.99	2/7/25 8:10
10.0 Buffer	WC240625B	10.00	2/7/25 8:22
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.		1418	2/7/25 8:30

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-BG	LCS	2/7/25 8:34	15.6	6.99	1,418	0.74		
CCV-2-BG	CCV	2/7/25 10:39	17.2	7.00	1,418	0.91		

Comments:

Site Sampling Event: COF-25Q1
LIMS Workorder: 25011232
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 1Q 2025

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2025
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 45720 Technician(s): Brett Gillihan Date: 2/10/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.03	2/10/25 8:36
7.0 Buffer	WC240913B	7.02	2/10/25 8:28
10.0 Buffer	WC240625B	10.03	2/10/25 8:40
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1419	2/10/25 8:44

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-BG	LCS	2/10/25 8:55	6.1	7.02	1,419	1.26		
CCV-3-BG	CCV	2/10/25 14:33	8.4	7.02	1,419	0.98		

Comments:

Field Meter ID: Pine 45720 Technician(s): Brett Gillihan Date: 2/11/2025

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	2/11/25 8:24
7.0 Buffer	WC240913B	7.03	2/11/25 8:20
10.0 Buffer	WC240625B	10.00	2/11/25 8:30
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	102040	1417	2/11/25 8:37

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-BG	LCS	2/11/25 8:39	7.3	7.02	1,417	1.44		
CCV-4-BG	CCV	2/11/25 11:22	8.8	7.04	1,422	1.18		

Comments:



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45720
Description YSI Pro DSS
Calibrated 1/30/2025 4:32:35PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101794
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	7.08	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.16	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.08	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.30	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	106.61	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	237.60	240.00	0.00%	Pass

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

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>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 45720
Description YSI Pro DSS
Calibrated 1/30/2025 4:32:35PM

Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	81.90	99.60	-0.40%	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 126 NTU L#24G24012705	STL 126 NTU L#24G24012705	YSI	126 NTU	24G24012705		7/25/2025
STL 1413 COND L#4GG1360	STL 1413 COND L#4GG1360	AquaPhoenix Scientific	31986	4GG1360		7/25/2025
STL AUTOCAL LOT#24014218	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24014218		9/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GG0029	STL pH4 L#4GG0029	AquaPhoenix Scientific	pH 4	4GG0029		7/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated 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 50115
Description YSI Pro DSS
Calibrated 1/30/2025 4:35:32PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 21C102193
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	7.25	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.34	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.18	10.05	0.50%	Pass

Group # 2
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	1.269	1.413	0.00%	Pass

Group # 3
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	0.38	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	91.87	124.00	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	229.20	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 50115
Description YSI Pro DSS
Calibrated 1/30/2025 4:35:32PM

Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
100.00 / 100.00	%	100.00	%	99.00	99.10	-0.90%	Pass

<u>Test Instruments Used During the Calibration</u>					<u>(As Of Cal Entry Date)</u>	
<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Last Cal Date / Opened Date</u>	<u>Next Cal Date / Expiration Date</u>
STL 126 NTU L#24G24012705	STL 126 NTU L#24G24012705	YSI	126 NTU	24G24012705		7/25/2025
STL 1413 COND L#4GG1360	STL 1413 COND L#4GG1360	AquaPhoenix Scientific	31986	4GG1360		7/25/2025
STL AUTOCAL LOT#24014218	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24014218		9/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GG0029	STL pH4 L#4GG0029	AquaPhoenix Scientific	pH 4	4GG0029		7/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated 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

8940 Activity Rd. - Suite G
San Diego, CA 92126
Toll Free: 858-368-9197

Pine Environmental Services, Inc.

Instrument ID 210756
Description YSI Pro DSS
Calibrated 1/28/2025 6:07:47PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot 22C103121
Number
Location San Diego
Department

State Certified
Status Pass
Temp °C 20
Humidity % 56

Calibration Specifications

Group # 1				Range Acc % 0.0000			
Group Name PH				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.02	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.10	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.05	10.00	0.00%	Pass
Group # 2				Range Acc % 0.0000			
Group Name Turbidity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	-0.56	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	122.00	124.00	0.00%	Pass
Group # 3				Range Acc % 0.0000			
Group Name Conductivity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.000			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.411	1.413	0.00%	Pass
Group # 4				Range Acc % 0.0000			
Group Name Redox (ORP)				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	241.00	240.00	0.00%	Pass
Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

8940 Activity Rd. - Suite G
San Diego, CA 92126
Toll Free: 858-368-9197

Pine Environmental Services, Inc.

Instrument ID 210756
Description YSI Pro DSS
Calibrated 1/28/2025 6:07:47PM

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	End As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	98.50	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
SD 126 NTU (24E24011653)	SD 126 NTU (24E24011653)	Pine Environmental Services, Inc.		24E24011653		5/30/2025
SD 1413 US/CM	SD 1413 uS/cm (9GL801)	Pine Environmental Services, Inc.	31986	9GL801		12/31/2025
SD 240 ORP (4GJ1196)	SD240 ORP (4GJ1196)	Pine Environmental Services, Inc.		4GJ1196		7/30/2025
SD O NTU TURB (24012185)	SD O NTU TURB (24012185)	Pine Environmental Services, Inc.		24012185		6/30/2025
SD PH 10 (4GE0716)	SD PH 10 (4GE0716)	Pine Environmental Services, Inc.		4GE0716		5/30/2026
SD PH 4 (4GE1065)	SD PH 4 (4GE1065)	Pine Environmental Services, Inc.		4GE1065		5/30/2026
SD PH 7 (4GE0713)	SD PH 7 (4GE0713)	Pine Environmental Services, Inc.		4GE0713		5/30/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Edwin Deleon

**ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 1, 2025**

ATTACHMENT C.
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G301	UA	E008	Antimony, total	mg/L	11/20/15 - 02/07/25	22	91	CB around T-S line	0.000906	0.003
G301	UA	E008	Arsenic, total	mg/L	11/20/15 - 02/07/25	27	70	CI around median	0.001	0.00430
G301	UA	E008	Barium, total	mg/L	11/20/15 - 02/07/25	27	0	CB around T-S line	-0.00796	0.120
G301	UA	E008	Beryllium, total	mg/L	11/20/15 - 02/07/25	26	100	All ND - Last	0.001	0.001
G301	UA	E008	Boron, total	mg/L	11/20/15 - 02/07/25	28	0	CI around mean	2.13	3.20
G301	UA	E008	Cadmium, total	mg/L	11/20/15 - 02/07/25	27	96	CI around median	0.001	0.001
G301	UA	E008	Chloride, total	mg/L	11/20/15 - 02/07/25	28	0	CB around T-S line	4.8	120
G301	UA	E008	Chromium, total	mg/L	11/20/15 - 02/07/25	27	63	CB around T-S line	0.000561	0.0110
G301	UA	E008	Cobalt, total	mg/L	11/20/15 - 02/07/25	27	26	CB around T-S line	0.0000506	0.00560
G301	UA	E008	Fluoride, total	mg/L	11/20/15 - 02/07/25	28	39	CI around median	0.25	0.411
G301	UA	E008	Lead, total	mg/L	11/20/15 - 02/07/25	27	52	CI around median	0.001	0.00630
G301	UA	E008	Lithium, total	mg/L	11/20/15 - 02/07/25	27	48	CI around median	0.01	0.0130
G301	UA	E008	Mercury, total	mg/L	11/20/15 - 02/07/25	22	96	CI around median	0.0002	0.00130
G301	UA	E008	Molybdenum, total	mg/L	11/20/15 - 02/07/25	27	100	All ND - Last	0.0015	0.00150
G301	UA	E008	pH (field)	SU	11/20/15 - 02/07/25	28	0	CI around mean	6.6/6.8	6.6/7.3
G301	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/07/25	27	0	CI around mean	0.479	1.60
G301	UA	E008	Selenium, total	mg/L	11/20/15 - 02/07/25	26	100	All ND - Last	0.001	0.00150
G301	UA	E008	Sulfate, total	mg/L	11/20/15 - 02/07/25	28	0	CB around linear reg	426	367
G301	UA	E008	Thallium, total	mg/L	11/20/15 - 02/07/25	22	100	All ND - Last	0.002	0.00100
G301	UA	E008	Total Dissolved Solids	mg/L	11/20/15 - 02/07/25	28	0	CB around linear reg	824	1,010
G302	UA	E008	Antimony, total	mg/L	11/20/15 - 02/07/25	22	100	All ND - Last	0.001	0.003
G302	UA	E008	Arsenic, total	mg/L	11/20/15 - 02/07/25	27	26	CI around median	0.001	0.00430
G302	UA	E008	Barium, total	mg/L	11/20/15 - 02/07/25	27	0	CI around geomean	0.0294	0.120
G302	UA	E008	Beryllium, total	mg/L	11/20/15 - 02/07/25	26	100	All ND - Last	0.001	0.001
G302	UA	E008	Boron, total	mg/L	11/20/15 - 02/07/25	28	0	CI around mean	1.73	3.20
G302	UA	E008	Cadmium, total	mg/L	11/20/15 - 02/07/25	27	100	All ND - Last	0.001	0.001
G302	UA	E008	Chloride, total	mg/L	11/20/15 - 02/07/25	28	4	CI around mean	12.7	120

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G302	UA	E008	Chromium, total	mg/L	11/20/15 - 02/07/25	27	67	CB around T-S line	0.00176	0.0110
G302	UA	E008	Cobalt, total	mg/L	11/20/15 - 02/07/25	27	22	CI around median	0.002	0.00560
G302	UA	E008	Fluoride, total	mg/L	11/20/15 - 02/07/25	28	39	CI around median	0.25	0.411
G302	UA	E008	Lead, total	mg/L	11/20/15 - 02/07/25	27	56	CI around median	0.001	0.00630
G302	UA	E008	Lithium, total	mg/L	11/20/15 - 02/07/25	27	26	CB around linear reg	0.0113	0.0130
G302	UA	E008	Mercury, total	mg/L	11/20/15 - 02/07/25	22	96	CI around median	0.0002	0.00130
G302	UA	E008	Molybdenum, total	mg/L	11/20/15 - 02/07/25	27	56	CI around median	0.001	0.00150
G302	UA	E008	pH (field)	SU	11/20/15 - 02/07/25	28	0	CB around linear reg	6.5/6.8	6.6/7.3
G302	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/07/25	27	0	CI around median	0.273	1.60
G302	UA	E008	Selenium, total	mg/L	11/20/15 - 02/07/25	26	96	CI around median	0.001	0.00150
G302	UA	E008	Sulfate, total	mg/L	11/20/15 - 02/07/25	28	0	CI around mean	396	367
G302	UA	E008	Thallium, total	mg/L	11/20/15 - 02/07/25	22	100	All ND - Last	0.002	0.00100
G302	UA	E008	Total Dissolved Solids	mg/L	11/20/15 - 02/07/25	28	0	CI around mean	1,000	1,010
G303	UA	E008	Antimony, total	mg/L	11/20/15 - 02/10/25	22	100	All ND - Last	0.001	0.003
G303	UA	E008	Arsenic, total	mg/L	11/20/15 - 02/10/25	27	4	CB around T-S line	-0.00384	0.00430
G303	UA	E008	Barium, total	mg/L	11/20/15 - 02/10/25	27	0	CI around median	0.016	0.120
G303	UA	E008	Beryllium, total	mg/L	11/20/15 - 02/10/25	26	100	All ND - Last	0.001	0.001
G303	UA	E008	Boron, total	mg/L	11/20/15 - 02/10/25	28	0	CB around T-S line	1.91	3.20
G303	UA	E008	Cadmium, total	mg/L	11/20/15 - 02/10/25	27	100	All ND - Last	0.001	0.001
G303	UA	E008	Chloride, total	mg/L	11/20/15 - 02/10/25	28	0	CB around linear reg	24.7	120
G303	UA	E008	Chromium, total	mg/L	11/20/15 - 02/10/25	27	78	CB around T-S line	0.00174	0.0110
G303	UA	E008	Cobalt, total	mg/L	11/20/15 - 02/10/25	27	30	CI around geomean	0.00132	0.00560
G303	UA	E008	Fluoride, total	mg/L	11/20/15 - 02/10/25	28	29	CI around median	0.268	0.411
G303	UA	E008	Lead, total	mg/L	11/20/15 - 02/10/25	27	85	CI around median	0.001	0.00630
G303	UA	E008	Lithium, total	mg/L	11/20/15 - 02/10/25	27	0	CB around linear reg	0.0142	0.0130
G303	UA	E008	Mercury, total	mg/L	11/20/15 - 02/10/25	22	91	CI around median	0.0002	0.00130
G303	UA	E008	Molybdenum, total	mg/L	11/20/15 - 02/10/25	27	4	CI around mean	0.00171	0.00150

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G303	UA	E008	pH (field)	SU	11/20/15 - 02/10/25	28	0	CB around linear reg	6.6/6.8	6.6/7.3
G303	UA	E008	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/10/25	27	0	CI around geomean	0.472	1.60
G303	UA	E008	Selenium, total	mg/L	11/20/15 - 02/10/25	26	100	All ND - Last	0.001	0.00150
G303	UA	E008	Sulfate, total	mg/L	11/20/15 - 02/10/25	28	0	CB around linear reg	600	367
G303	UA	E008	Thallium, total	mg/L	11/20/15 - 02/10/25	22	100	All ND - Last	0.002	0.00100
G303	UA	E008	Total Dissolved Solids	mg/L	11/20/15 - 02/10/25	28	0	CI around mean	1,530	1,010
G305	UA	E008	Antimony, total	mg/L	05/19/16 - 02/10/25	14	100	All ND - Last	0.001	0.003
G305	UA	E008	Arsenic, total	mg/L	05/19/16 - 02/10/25	14	71	CI around median	0.001	0.00430
G305	UA	E008	Barium, total	mg/L	05/19/16 - 02/10/25	14	0	CB around T-S line	-0.0346	0.120
G305	UA	E008	Beryllium, total	mg/L	05/19/16 - 02/10/25	14	100	All ND - Last	0.001	0.001
G305	UA	E008	Boron, total	mg/L	05/19/16 - 02/10/25	14	0	CI around mean	2.11	3.20
G305	UA	E008	Cadmium, total	mg/L	05/19/16 - 02/10/25	14	100	All ND - Last	0.001	0.001
G305	UA	E008	Chloride, total	mg/L	05/19/16 - 02/10/25	14	0	CB around T-S line	13	120
G305	UA	E008	Chromium, total	mg/L	05/19/16 - 02/10/25	14	64	CB around T-S line	-0.0215	0.0110
G305	UA	E008	Cobalt, total	mg/L	05/19/16 - 02/10/25	14	79	CB around T-S line	-0.000404	0.00560
G305	UA	E008	Fluoride, total	mg/L	05/19/16 - 02/10/25	14	21	CI around median	0.424	0.411
G305	UA	E008	Lead, total	mg/L	05/19/16 - 02/10/25	14	43	CB around T-S line	-0.0213	0.00630
G305	UA	E008	Lithium, total	mg/L	05/19/16 - 02/10/25	14	29	CB around T-S line	-0.00232	0.0130
G305	UA	E008	Mercury, total	mg/L	05/19/16 - 02/10/25	14	100	All ND - Last	0.0002	0.00130
G305	UA	E008	Molybdenum, total	mg/L	05/19/16 - 02/10/25	14	64	CI around median	0.001	0.00150
G305	UA	E008	pH (field)	SU	05/19/16 - 02/10/25	14	0	CI around mean	7.0/7.2	6.6/7.3
G305	UA	E008	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 02/10/25	14	0	CI around geomean	0.208	1.60
G305	UA	E008	Selenium, total	mg/L	05/19/16 - 02/10/25	14	100	All ND - Last	0.001	0.00150
G305	UA	E008	Sulfate, total	mg/L	05/19/16 - 02/10/25	14	0	CI around mean	814	367
G305	UA	E008	Thallium, total	mg/L	05/19/16 - 02/10/25	14	100	All ND - Last	0.002	0.00100
G305	UA	E008	Total Dissolved Solids	mg/L	05/19/16 - 02/10/25	14	0	CI around mean	1,390	1,010
G307	UA	E008	Antimony, total	mg/L	08/16/16 - 02/28/25	18	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	E008	Arsenic, total	mg/L	08/16/16 - 02/28/25	23	52	CI around median	0.001	0.00430
G307	UA	E008	Barium, total	mg/L	08/16/16 - 02/28/25	23	0	CI around geomean	0.0328	0.120
G307	UA	E008	Beryllium, total	mg/L	08/16/16 - 02/28/25	22	91	CI around median	0.001	0.001
G307	UA	E008	Boron, total	mg/L	08/16/16 - 02/28/25	24	0	CI around mean	1.99	3.20
G307	UA	E008	Cadmium, total	mg/L	08/16/16 - 02/28/25	23	61	CI around median	0.001	0.001
G307	UA	E008	Chloride, total	mg/L	08/16/16 - 02/28/25	24	0	CB around linear reg	7.02	120
G307	UA	E008	Chromium, total	mg/L	08/16/16 - 02/28/25	23	44	CI around geomean	0.00209	0.0110
G307	UA	E008	Cobalt, total	mg/L	08/16/16 - 02/28/25	24	0	CI around median	0.0026	0.00560
G307	UA	E008	Fluoride, total	mg/L	08/16/16 - 02/28/25	24	17	CI around median	0.325	0.411
G307	UA	E008	Lead, total	mg/L	08/16/16 - 02/28/25	23	39	CI around median	0.001	0.00630
G307	UA	E008	Lithium, total	mg/L	08/16/16 - 02/28/25	23	39	CI around median	0.0116	0.0130
G307	UA	E008	Mercury, total	mg/L	08/16/16 - 02/28/25	18	78	CI around median	0.0002	0.00130
G307	UA	E008	Molybdenum, total	mg/L	08/16/16 - 02/28/25	23	22	CI around median	0.0013	0.00150
G307	UA	E008	pH (field)	SU	08/16/16 - 02/28/25	25	0	CI around mean	7.0/7.1	6.6/7.3
G307	UA	E008	Radium 226 + Radium 228, total	pCi/L	08/16/16 - 02/28/25	23	0	CI around mean	0.604	1.60
G307	UA	E008	Selenium, total	mg/L	08/16/16 - 02/28/25	22	86	CI around median	0.001	0.00150
G307	UA	E008	Sulfate, total	mg/L	08/16/16 - 02/28/25	24	0	CB around linear reg	351	367
G307	UA	E008	Thallium, total	mg/L	08/16/16 - 02/28/25	18	100	All ND - Last	0.002	0.00100
G307	UA	E008	Total Dissolved Solids	mg/L	08/16/16 - 02/28/25	24	0	CB around linear reg	830	1,010
G307D	LCU	E008	Antimony, total	mg/L	03/29/21 - 02/10/25	14	93	CB around T-S line	-0.00000232	0.003
G307D	LCU	E008	Arsenic, total	mg/L	03/29/21 - 02/10/25	14	14	CI around geomean	0.00101	0.00430
G307D	LCU	E008	Barium, total	mg/L	03/29/21 - 02/10/25	14	0	CB around T-S line	-0.0206	0.120
G307D	LCU	E008	Beryllium, total	mg/L	03/29/21 - 02/10/25	14	100	All ND - Last	0.001	0.001
G307D	LCU	E008	Boron, total	mg/L	03/29/21 - 02/10/25	14	0	CI around mean	1.29	3.20
G307D	LCU	E008	Cadmium, total	mg/L	03/29/21 - 02/10/25	14	100	All ND - Last	0.001	0.001
G307D	LCU	E008	Chloride, total	mg/L	03/29/21 - 02/10/25	13	0	CB around linear reg	5.54	120
G307D	LCU	E008	Chromium, total	mg/L	03/29/21 - 02/10/25	14	100	All ND - Last	0.0015	0.0110

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G307D	LCU	E008	Cobalt, total	mg/L	03/29/21 - 02/10/25	14	93	CB around T-S line	0.000478	0.00560
G307D	LCU	E008	Fluoride, total	mg/L	03/29/21 - 02/10/25	13	8	CI around mean	0.478	0.411
G307D	LCU	E008	Lead, total	mg/L	03/29/21 - 02/10/25	14	100	All ND - Last	0.001	0.00630
G307D	LCU	E008	Lithium, total	mg/L	03/29/21 - 02/10/25	14	93	CB around T-S line	-0.0057	0.0130
G307D	LCU	E008	Mercury, total	mg/L	03/29/21 - 02/10/25	14	93	CI around median	0.0002	0.00130
G307D	LCU	E008	Molybdenum, total	mg/L	03/29/21 - 02/10/25	14	0	CI around mean	0.00504	0.00150
G307D	LCU	E008	pH (field)	SU	03/29/21 - 02/10/25	14	0	CI around mean	7.1/7.3	6.6/7.3
G307D	LCU	E008	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/10/25	15	0	CI around geomean	0.245	1.60
G307D	LCU	E008	Selenium, total	mg/L	03/29/21 - 02/10/25	14	100	All ND - Last	0.001	0.00150
G307D	LCU	E008	Sulfate, total	mg/L	03/29/21 - 02/10/25	13	0	CB around linear reg	440	367
G307D	LCU	E008	Thallium, total	mg/L	03/29/21 - 02/10/25	14	100	All ND - Last	0.002	0.00100
G307D	LCU	E008	Total Dissolved Solids	mg/L	03/29/21 - 02/10/25	13	0	CB around linear reg	815	1,010
G308	UA	E008	Antimony, total	mg/L	03/29/21 - 02/10/25	17	94	CB around T-S line	0.0000193	0.003
G308	UA	E008	Arsenic, total	mg/L	03/29/21 - 02/10/25	17	88	CI around median	0.001	0.00430
G308	UA	E008	Barium, total	mg/L	03/29/21 - 02/10/25	17	0	CI around mean	0.019	0.120
G308	UA	E008	Beryllium, total	mg/L	03/29/21 - 02/10/25	17	100	All ND - Last	0.001	0.001
G308	UA	E008	Boron, total	mg/L	03/29/21 - 02/10/25	17	0	CI around mean	2.45	3.20
G308	UA	E008	Cadmium, total	mg/L	03/29/21 - 02/10/25	17	100	All ND - Last	0.001	0.001
G308	UA	E008	Chloride, total	mg/L	03/29/21 - 02/10/25	17	6	CB around T-S line	4.79	120
G308	UA	E008	Chromium, total	mg/L	03/29/21 - 02/10/25	17	94	CB around T-S line	0.000377	0.0110
G308	UA	E008	Cobalt, total	mg/L	03/29/21 - 02/10/25	17	100	All ND - Last	0.001	0.00560
G308	UA	E008	Fluoride, total	mg/L	03/29/21 - 02/10/25	17	12	CI around geomean	0.474	0.411
G308	UA	E008	Lead, total	mg/L	03/29/21 - 02/10/25	17	100	All ND - Last	0.001	0.00630
G308	UA	E008	Lithium, total	mg/L	03/29/21 - 02/10/25	17	59	CB around T-S line	0.00176	0.0130
G308	UA	E008	Mercury, total	mg/L	03/29/21 - 02/10/25	17	94	CI around median	0.0002	0.00130
G308	UA	E008	Molybdenum, total	mg/L	03/29/21 - 02/10/25	17	18	CB around T-S line	0.0014	0.00150
G308	UA	E008	pH (field)	SU	03/29/21 - 02/10/25	17	0	CI around mean	7.1/7.3	6.6/7.3

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G308	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/10/25	16	0	CI around median	0.0838	1.60
G308	UA	E008	Selenium, total	mg/L	03/29/21 - 02/10/25	17	94	CI around median	0.001	0.00150
G308	UA	E008	Sulfate, total	mg/L	03/29/21 - 02/10/25	17	0	CB around linear reg	766	367
G308	UA	E008	Thallium, total	mg/L	03/29/21 - 02/10/25	17	100	All ND - Last	0.002	0.00100
G308	UA	E008	Total Dissolved Solids	mg/L	03/29/21 - 02/10/25	17	0	CB around T-S line	1,190	1,010
G310	UA	E008	Antimony, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.001	0.003
G310	UA	E008	Arsenic, total	mg/L	03/29/21 - 02/07/25	17	94	CI around median	0.001	0.00430
G310	UA	E008	Barium, total	mg/L	03/29/21 - 02/07/25	17	0	CI around mean	0.0149	0.120
G310	UA	E008	Beryllium, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.001	0.001
G310	UA	E008	Boron, total	mg/L	03/29/21 - 02/07/25	17	0	CI around mean	1.75	3.20
G310	UA	E008	Cadmium, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.001	0.001
G310	UA	E008	Chloride, total	mg/L	03/29/21 - 02/07/25	17	0	CB around linear reg	7.36	120
G310	UA	E008	Chromium, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.0015	0.0110
G310	UA	E008	Cobalt, total	mg/L	03/29/21 - 02/07/25	17	59	CB around T-S line	0.000877	0.00560
G310	UA	E008	Fluoride, total	mg/L	03/29/21 - 02/07/25	17	29	CB around linear reg	0.32	0.411
G310	UA	E008	Lead, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.001	0.00630
G310	UA	E008	Lithium, total	mg/L	03/29/21 - 02/07/25	17	59	CB around T-S line	-0.000142	0.0130
G310	UA	E008	Mercury, total	mg/L	03/29/21 - 02/07/25	17	94	CI around median	0.0002	0.00130
G310	UA	E008	Molybdenum, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.0015	0.00150
G310	UA	E008	pH (field)	SU	03/29/21 - 02/07/25	17	0	CI around mean	7.0/7.2	6.6/7.3
G310	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/07/25	16	0	CI around median	0.105	1.60
G310	UA	E008	Selenium, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.001	0.00150
G310	UA	E008	Sulfate, total	mg/L	03/29/21 - 02/07/25	17	0	CB around T-S line	-427	367
G310	UA	E008	Thallium, total	mg/L	03/29/21 - 02/07/25	17	100	All ND - Last	0.002	0.00100
G310	UA	E008	Total Dissolved Solids	mg/L	03/29/21 - 02/07/25	17	0	CB around linear reg	812	1,010
G312	UA	E008	Antimony, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.001	0.003
G312	UA	E008	Arsenic, total	mg/L	03/30/21 - 02/10/25	15	93	CI around median	0.001	0.00430

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G312	UA	E008	Barium, total	mg/L	03/30/21 - 02/10/25	15	0	CI around mean	0.0254	0.120
G312	UA	E008	Beryllium, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.001	0.001
G312	UA	E008	Boron, total	mg/L	03/30/21 - 02/10/25	15	0	CB around linear reg	2.73	3.20
G312	UA	E008	Cadmium, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.001	0.001
G312	UA	E008	Chloride, total	mg/L	03/30/21 - 02/10/25	15	0	CI around mean	22.6	120
G312	UA	E008	Chromium, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.0015	0.0110
G312	UA	E008	Cobalt, total	mg/L	03/30/21 - 02/10/25	15	20	CI around mean	0.00185	0.00560
G312	UA	E008	Fluoride, total	mg/L	03/30/21 - 02/10/25	15	73	CI around median	0.22	0.411
G312	UA	E008	Lead, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.001	0.00630
G312	UA	E008	Lithium, total	mg/L	03/30/21 - 02/10/25	15	47	CB around linear reg	0.0155	0.0130
G312	UA	E008	Mercury, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.0002	0.00130
G312	UA	E008	Molybdenum, total	mg/L	03/30/21 - 02/10/25	15	93	CB around T-S line	0.001	0.00150
G312	UA	E008	pH (field)	SU	03/30/21 - 02/10/25	15	0	CI around mean	6.3/6.5	6.6/7.3
G312	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/10/25	14	0	CI around geomean	0.171	1.60
G312	UA	E008	Selenium, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.001	0.00150
G312	UA	E008	Sulfate, total	mg/L	03/30/21 - 02/10/25	15	0	CI around mean	776	367
G312	UA	E008	Thallium, total	mg/L	03/30/21 - 02/10/25	15	100	All ND - Last	0.002	0.00100
G312	UA	E008	Total Dissolved Solids	mg/L	03/30/21 - 02/10/25	15	0	CB around linear reg	1,650	1,010
G313	UA	E008	Antimony, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.001	0.003
G313	UA	E008	Arsenic, total	mg/L	03/30/21 - 02/11/25	17	88	CI around median	0.001	0.00430
G313	UA	E008	Barium, total	mg/L	03/30/21 - 02/11/25	17	0	CB around T-S line	0.00614	0.120
G313	UA	E008	Beryllium, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.001	0.001
G313	UA	E008	Boron, total	mg/L	03/30/21 - 02/11/25	17	0	CI around median	3.3	3.20
G313	UA	E008	Cadmium, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.001	0.001
G313	UA	E008	Chloride, total	mg/L	03/30/21 - 02/11/25	17	6	CB around T-S line	15.3	120
G313	UA	E008	Chromium, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.0015	0.0110
G313	UA	E008	Cobalt, total	mg/L	03/30/21 - 02/11/25	17	82	CB around T-S line	0.000422	0.00560

ATTACHMENT C.
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ASH POND NO. 1
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G313	UA	E008	Fluoride, total	mg/L	03/30/21 - 02/11/25	17	24	CI around median	0.267	0.411
G313	UA	E008	Lead, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.001	0.00630
G313	UA	E008	Lithium, total	mg/L	03/30/21 - 02/11/25	17	29	CI around geomean	0.0174	0.0130
G313	UA	E008	Mercury, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.0002	0.00130
G313	UA	E008	Molybdenum, total	mg/L	03/30/21 - 02/11/25	17	29	CI around median	0.0012	0.00150
G313	UA	E008	pH (field)	SU	03/30/21 - 02/11/25	17	0	CB around linear reg	6.6/6.8	6.6/7.3
G313	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/11/25	16	0	CI around median	0.0924	1.60
G313	UA	E008	Selenium, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.001	0.00150
G313	UA	E008	Sulfate, total	mg/L	03/30/21 - 02/11/25	17	0	CB around T-S line	291	367
G313	UA	E008	Thallium, total	mg/L	03/30/21 - 02/11/25	17	100	All ND - Last	0.002	0.00100
G313	UA	E008	Total Dissolved Solids	mg/L	03/30/21 - 02/11/25	17	0	CB around linear reg	1,280	1,010
G314	LCU	E008	Antimony, total	mg/L	03/30/21 - 02/07/25	17	94	CB around T-S line	0.0000902	0.003
G314	LCU	E008	Arsenic, total	mg/L	03/30/21 - 02/07/25	17	71	CI around median	0.001	0.00430
G314	LCU	E008	Barium, total	mg/L	03/30/21 - 02/07/25	17	0	CI around geomean	0.0185	0.120
G314	LCU	E008	Beryllium, total	mg/L	03/30/21 - 02/07/25	17	100	All ND - Last	0.001	0.001
G314	LCU	E008	Boron, total	mg/L	03/30/21 - 02/07/25	17	0	CI around geomean	0.139	3.20
G314	LCU	E008	Cadmium, total	mg/L	03/30/21 - 02/07/25	17	100	All ND - Last	0.001	0.001
G314	LCU	E008	Chloride, total	mg/L	03/30/21 - 02/07/25	17	0	CB around T-S line	24.6	120
G314	LCU	E008	Chromium, total	mg/L	03/30/21 - 02/07/25	17	82	CI around median	0.0015	0.0110
G314	LCU	E008	Cobalt, total	mg/L	03/30/21 - 02/07/25	17	12	CI around mean	0.00283	0.00560
G314	LCU	E008	Fluoride, total	mg/L	03/30/21 - 02/07/25	17	76	CI around median	0.23	0.411
G314	LCU	E008	Lead, total	mg/L	03/30/21 - 02/07/25	17	88	CI around median	0.001	0.00630
G314	LCU	E008	Lithium, total	mg/L	03/30/21 - 02/07/25	17	59	CB around T-S line	-0.00109	0.0130
G314	LCU	E008	Mercury, total	mg/L	03/30/21 - 02/07/25	17	100	All ND - Last	0.0002	0.00130
G314	LCU	E008	Molybdenum, total	mg/L	03/30/21 - 02/07/25	17	24	CB around linear reg	-0.00336	0.00150
G314	LCU	E008	pH (field)	SU	03/30/21 - 02/07/25	17	0	CB around T-S line	6.3/6.5	6.6/7.3
G314	LCU	E008	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/07/25	16	0	CI around geomean	0.596	1.60

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2025
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COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G314	LCU	E008	Selenium, total	mg/L	03/30/21 - 02/07/25	17	88	CI around median	0.001	0.00150
G314	LCU	E008	Sulfate, total	mg/L	03/30/21 - 02/07/25	17	0	CI around median	2,000	367
G314	LCU	E008	Thallium, total	mg/L	03/30/21 - 02/07/25	17	100	All ND - Last	0.002	0.00100
G314	LCU	E008	Total Dissolved Solids	mg/L	03/30/21 - 02/07/25	17	0	CI around median	3,430	1,010
G314D	DA	E008	Antimony, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.001	0.003
G314D	DA	E008	Arsenic, total	mg/L	03/30/21 - 02/06/25	14	36	CB around linear reg	0.00239	0.00430
G314D	DA	E008	Barium, total	mg/L	03/30/21 - 02/06/25	14	0	CB around T-S line	0.0197	0.120
G314D	DA	E008	Beryllium, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.001	0.001
G314D	DA	E008	Boron, total	mg/L	03/30/21 - 02/06/25	14	0	CI around mean	0.163	3.20
G314D	DA	E008	Cadmium, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.001	0.001
G314D	DA	E008	Chloride, total	mg/L	03/30/21 - 02/06/25	13	0	CB around linear reg	-2.18	120
G314D	DA	E008	Chromium, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.0015	0.0110
G314D	DA	E008	Cobalt, total	mg/L	03/30/21 - 02/06/25	14	50	CI around mean	0.00125	0.00560
G314D	DA	E008	Fluoride, total	mg/L	03/30/21 - 02/06/25	13	15	CB around linear reg	0.336	0.411
G314D	DA	E008	Lead, total	mg/L	03/30/21 - 02/06/25	14	86	CI around median	0.001	0.00630
G314D	DA	E008	Lithium, total	mg/L	03/30/21 - 02/06/25	14	29	CB around linear reg	0.00821	0.0130
G314D	DA	E008	Mercury, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.0002	0.00130
G314D	DA	E008	Molybdenum, total	mg/L	03/30/21 - 02/06/25	14	0	CB around linear reg	-0.00601	0.00150
G314D	DA	E008	pH (field)	SU	03/30/21 - 02/06/25	14	0	CB around linear reg	6.6/6.9	6.6/7.3
G314D	DA	E008	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/06/25	14	0	CI around geomean	1.24	1.60
G314D	DA	E008	Selenium, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.001	0.00150
G314D	DA	E008	Sulfate, total	mg/L	03/30/21 - 02/06/25	13	0	CB around linear reg	1,000	367
G314D	DA	E008	Thallium, total	mg/L	03/30/21 - 02/06/25	14	100	All ND - Last	0.002	0.00100
G314D	DA	E008	Total Dissolved Solids	mg/L	03/30/21 - 02/06/25	13	0	CI around median	2,100	1,010
G315	UA	E008	Antimony, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.003
G315	UA	E008	Arsenic, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.00430
G315	UA	E008	Barium, total	mg/L	03/30/21 - 02/10/25	17	0	CB around T-S line	0.00844	0.120

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G315	UA	E008	Beryllium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.001
G315	UA	E008	Boron, total	mg/L	03/30/21 - 02/10/25	17	0	CI around median	1.2	3.20
G315	UA	E008	Cadmium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.001
G315	UA	E008	Chloride, total	mg/L	03/30/21 - 02/10/25	17	0	CB around T-S line	1.44	120
G315	UA	E008	Chromium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.0015	0.0110
G315	UA	E008	Cobalt, total	mg/L	03/30/21 - 02/10/25	17	94	CB around T-S line	0.000622	0.00560
G315	UA	E008	Fluoride, total	mg/L	03/30/21 - 02/10/25	17	18	CI around median	0.268	0.411
G315	UA	E008	Lead, total	mg/L	03/30/21 - 02/10/25	17	94	CI around median	0.001	0.00630
G315	UA	E008	Lithium, total	mg/L	03/30/21 - 02/10/25	17	59	CB around T-S line	-0.000918	0.0130
G315	UA	E008	Mercury, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.0002	0.00130
G315	UA	E008	Molybdenum, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.0015	0.00150
G315	UA	E008	pH (field)	SU	03/30/21 - 02/10/25	17	0	CI around mean	6.7/6.9	6.6/7.3
G315	UA	E008	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/10/25	16	0	CI around mean	0.222	1.60
G315	UA	E008	Selenium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.00150
G315	UA	E008	Sulfate, total	mg/L	03/30/21 - 02/10/25	17	0	CB around T-S line	290	367
G315	UA	E008	Thallium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.002	0.00100
G315	UA	E008	Total Dissolved Solids	mg/L	03/30/21 - 02/10/25	17	0	CB around T-S line	701	1,010
G316	LCU	E008	Antimony, total	mg/L	03/30/21 - 02/10/25	17	88	CB around T-S line	0.000162	0.003
G316	LCU	E008	Arsenic, total	mg/L	03/30/21 - 02/10/25	17	0	CB around linear reg	0.00749	0.00430
G316	LCU	E008	Barium, total	mg/L	03/30/21 - 02/10/25	17	0	CI around mean	0.0629	0.120
G316	LCU	E008	Beryllium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.001
G316	LCU	E008	Boron, total	mg/L	03/30/21 - 02/10/25	17	0	CI around mean	0.367	3.20
G316	LCU	E008	Cadmium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.001
G316	LCU	E008	Chloride, total	mg/L	03/30/21 - 02/10/25	17	0	CI around median	23	120
G316	LCU	E008	Chromium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.0015	0.0110
G316	LCU	E008	Cobalt, total	mg/L	03/30/21 - 02/10/25	17	0	CB around linear reg	0.00185	0.00560
G316	LCU	E008	Fluoride, total	mg/L	03/30/21 - 02/10/25	17	53	CB around T-S line	0.25	0.411

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G316	LCU	E008	Lead, total	mg/L	03/30/21 - 02/10/25	17	94	CI around median	0.001	0.00630
G316	LCU	E008	Lithium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.003	0.0130
G316	LCU	E008	Mercury, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.0002	0.00130
G316	LCU	E008	Molybdenum, total	mg/L	03/30/21 - 02/10/25	17	0	CB around linear reg	0.00442	0.00150
G316	LCU	E008	pH (field)	SU	03/30/21 - 02/10/25	17	0	CI around mean	6.9/7.0	6.6/7.3
G316	LCU	E008	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/10/25	16	0	CI around median	0.479	1.60
G316	LCU	E008	Selenium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.001	0.00150
G316	LCU	E008	Sulfate, total	mg/L	03/30/21 - 02/10/25	17	0	CI around median	660	367
G316	LCU	E008	Thallium, total	mg/L	03/30/21 - 02/10/25	17	100	All ND - Last	0.002	0.00100
G316	LCU	E008	Total Dissolved Solids	mg/L	03/30/21 - 02/10/25	17	0	CI around median	1,380	1,010

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Notes:

Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Illinois Power Generating Company’s (IPGC’s) operating permit application for the Ash Pond No. 1 . That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, IPGC has not identified any actual exceedances.

Events:

E008 = Quarter 1, 2025 sampling event

HSU = hydrostratigraphic unit:

DA = Deep Aquifer

LCU = Lower Confining Unit

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around 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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

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

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

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

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

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

NS⁶ = Sampling pump could not yield a sample.

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

NS⁸ = A sample was not collected.

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

For pH, the values presented are the lower / upper limits of the background determination