Luminant

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

January 20, 2024

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

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

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Illinois Power Generating Company (IPGC) is submitting groundwater monitoring data for the Quarter 3, 2023 sampling event at the Coffeen Power Plant Ash Pond Number (No.) 1, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1350150004-01. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPS.

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

As allowed in 35 I.A.C. § 845.650(e), an alternative source demonstration (ASD) will be evaluated for the detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to IEPA within 60 days of this transmittal.

Sincerely,

Dianna Tickner

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

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 3, 2023, Ash Pond No. 1, Coffeen Power Plant, Coffeen, Illinois

RAMBOLL

ENVIRONMENT
& HEALTH

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 3, 2023
ASH POND NO. 1, COFFEEN POWER PLANT, COFFEEN, ILLINOIS

January 20, 2024

Samples were collected on August 9-10 and 14, 2023 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) Section (§) 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on November 21, 2023.

The monitoring well locations are included in **Figure 1**. **Attachment A** summarizes the groundwater elevation data for the Quarter 3, 2023 sampling event. The field team was unable to locate and/or access staff gage SG-02; therefore, groundwater elevation data was not recorded for this sampling event. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 3, 2023 sampling event. A groundwater sample was not collected from monitoring well G307 due to a broken pump line. A Quarter 4, 2023 sample was collected from G307 using a peristaltic pump. Options to replace the pump line and install a packer are being evaluated. A groundwater elevation was not able to be obtained at monitoring location SG02 for this monitoring event.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan[1] provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 3, 2023 groundwater monitoring data were evaluated for statistical exceedances over background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment C** shows the statistically derived values compared to background levels.

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

As allowed in 35 I.A.C. § 845.650(e), an alternative source demonstration (ASD) will be evaluated for the detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to Illinois Environmental Protection Agency (IEPA) within 60 days of this transmittal.

TABLES

FIGURES

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

ATTACHMENTS

Attachment A Groundwater Elevation Data - Quarter 3, 2023
Attachment B Laboratory Reports and Field Data Sheets - Quarter 3, 2023
Attachment C Comparison of Statistical Results to Background - Quarter 3, 2023

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G281	Background	E002	08/14/2023	Antimony, total	0.0008 U	mg/L
G281	Background	E002	08/14/2023	Arsenic, total	0.0004 U	mg/L
G281	Background	E002	08/14/2023	Barium, total	0.0707	mg/L
G281	Background	E002	08/14/2023	Beryllium, total	0.0002 U	mg/L
G281	Background	E002	08/14/2023	Boron, total	0.0092 U	mg/L
G281	Background	E002	08/14/2023	Cadmium, total	0.0002 U	mg/L
G281	Background	E002	08/14/2023	Calcium, total	137	mg/L
G281	Background	E002	08/14/2023	Chloride, total	88.0	mg/L
G281	Background	E002	08/14/2023	Chromium, total	0.0007 U	mg/L
G281	Background	E002	08/14/2023	Cobalt, total	0.0004 J	mg/L
G281	Background	E002	08/14/2023	Dissolved Oxygen	1.74	mg/L
G281	Background	E002	08/14/2023	Fluoride, total	0.300 J+	mg/L
G281	Background	E002	08/14/2023	Lead, total	0.0006 U	mg/L
G281	Background	E002	08/14/2023	Lithium, total	0.00420	mg/L
G281	Background	E002	08/14/2023	Mercury, total	0.00006 U	mg/L
G281	Background	E002	08/14/2023	Molybdenum, total	0.0006 U	mg/L
G281	Background	E002	08/14/2023	Oxidation Reduction Potential	102	mV
G281	Background	E002	08/14/2023	pH (field)	6.8	SU
G281	Background	E002	08/14/2023	Radium 226 + Radium 228, total	0.667	pCi/L
G281	Background	E002	08/14/2023	Selenium, total	0.0006 U	mg/L
G281	Background	E002	08/14/2023	Specific Conductance @ 25C (field)	1,740	micromhos/cm
G281	Background	E002	08/14/2023	Sulfate, total	268	mg/L
G281	Background	E002	08/14/2023	Temperature	18.6	degrees C
G281	Background	E002	08/14/2023	Thallium, total	0.001 U	mg/L
G281	Background	E002	08/14/2023	Total Dissolved Solids	930	mg/L
G281	Background	E002	08/14/2023	Turbidity, field	6.40	NTU
G306	Background	E002	08/10/2023	Antimony, total	0.0007 J	mg/L
G306	Background	E002	08/10/2023	Arsenic, total	0.00720	mg/L
G306	Background	E002	08/10/2023	Barium, total	0.0700	mg/L
G306	Background	E002	08/10/2023	Beryllium, total	0.0007 J	mg/L
G306	Background	E002	08/10/2023	Boron, total	2.74	mg/L
G306	Background	E002	08/10/2023	Cadmium, total	0.0002 U	mg/L
G306	Background	E002	08/10/2023	Calcium, total	81.3	mg/L
G306	Background	E002	08/10/2023	Chloride, total	1 J	mg/L
G306	Background	E002	08/10/2023	Chromium, total	0.0211	mg/L
G306	Background	E002	08/10/2023	Cobalt, total	0.00670	mg/L
G306	Background	E002	08/10/2023	Dissolved Oxygen	2.76	mg/L
G306	Background	E002	08/10/2023	Fluoride, total	0.180 J+	mg/L
G306	Background	E002	08/10/2023	Lead, total	0.00590	mg/L
G306	Background	E002	08/10/2023	Lithium, total	0.0149	mg/L
G306	Background	E002	08/10/2023	Mercury, total	0.00006 U	mg/L
G306	Background	E002	08/10/2023	Molybdenum, total	0.0014 J	mg/L
G306	Background	E002	08/10/2023	Oxidation Reduction Potential	143	mV
G306	Background	E002	08/10/2023	pH (field)	6.2	SU
G306	Background	E002	08/10/2023	Radium 226 + Radium 228, total	4.93	pCi/L
G306	Background	E002	08/10/2023	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	E002	08/10/2023	Specific Conductance @ 25C (field)	1,220	micromhos/cm
G306	Background	E002	08/10/2023	Sulfate, total	141	mg/L
G306	Background	E002	08/10/2023	Temperature	14.5	degrees C
G306	Background	E002	08/10/2023	Thallium, total	0.001 U	mg/L
G306	Background	E002	08/10/2023	Total Dissolved Solids	455	mg/L
G306	Background	E002	08/10/2023	Turbidity, field	320	NTU
G301	Compliance	E002	08/09/2023	Antimony, total	0.0005 J	mg/L
G301	Compliance	E002	08/09/2023	Arsenic, total	0.0004 U	mg/L
G301	Compliance	E002	08/09/2023	Barium, total	0.0152	mg/L
G301	Compliance	E002	08/09/2023	Beryllium, total	0.0003 U	mg/L
G301	Compliance	E002	08/09/2023	Boron, total	2.08	mg/L
G301	Compliance	E002	08/09/2023	Cadmium, total	0.0002 U	mg/L
G301	Compliance	E002	08/09/2023	Calcium, total	113	mg/L
G301	Compliance	E002	08/09/2023	Chloride, total	12.0	mg/L
G301	Compliance	E002	08/09/2023	Chromium, total	0.001 J	mg/L
G301	Compliance	E002	08/09/2023	Cobalt, total	0.00150	mg/L
G301	Compliance	E002	08/09/2023	Dissolved Oxygen	0.440	mg/L
G301	Compliance	E002	08/09/2023	Fluoride, total	0.310 J+	mg/L
G301	Compliance	E002	08/09/2023	Lead, total	0.0006 U	mg/L
G301	Compliance	E002	08/09/2023	Lithium, total	0.00470	mg/L
G301	Compliance	E002	08/09/2023	Mercury, total	0.00006 U	mg/L
G301	Compliance	E002	08/09/2023	Molybdenum, total	0.0006 U	mg/L
G301	Compliance	E002	08/09/2023	Oxidation Reduction Potential	-96.0	mV
G301	Compliance	E002	08/09/2023	pH (field)	6.4	SU
G301	Compliance	E002	08/09/2023	Radium 226 + Radium 228, total	1.03	pCi/L
G301	Compliance	E002	08/09/2023	Selenium, total	0.0006 U	mg/L
G301	Compliance	E002	08/09/2023	Specific Conductance @ 25C (field)	2,190	micromhos/cm
G301	Compliance	E002	08/09/2023	Sulfate, total	513	mg/L
G301	Compliance	E002	08/09/2023	Temperature	16.5	degrees C
G301	Compliance	E002	08/09/2023	Thallium, total	0.001 U	mg/L
G301	Compliance	E002	08/09/2023	Total Dissolved Solids	1,000	mg/L
G301	Compliance	E002	08/09/2023	Turbidity, field	8.40	NTU
G302	Compliance	E002	08/09/2023	Antimony, total	0.0004 U	mg/L
G302	Compliance	E002	08/09/2023	Arsenic, total	0.00100 J	mg/L
G302	Compliance	E002	08/09/2023	Barium, total	0.0259	mg/L
G302	Compliance	E002	08/09/2023	Beryllium, total	0.0003 U	mg/L
G302	Compliance	E002	08/09/2023	Boron, total	1.93	mg/L
G302	Compliance	E002	08/09/2023	Cadmium, total	0.0002 U	mg/L
G302	Compliance	E002	08/09/2023	Calcium, total	157	mg/L
G302	Compliance	E002	08/09/2023	Chloride, total	9.00	mg/L
G302	Compliance	E002	08/09/2023	Chromium, total	0.0007 U	mg/L
G302	Compliance	E002	08/09/2023	Cobalt, total	0.00180	mg/L
G302	Compliance	E002	08/09/2023	Dissolved Oxygen	2.22	mg/L
G302	Compliance	E002	08/09/2023	Fluoride, total	0.280 J+	mg/L
G302	Compliance	E002	08/09/2023	Lead, total	0.0006 J	mg/L
G302	Compliance	E002	08/09/2023	Lithium, total	0.0111	mg/L

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ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G302	Compliance	E002	08/09/2023	Mercury, total	0.00006 U	mg/L
G302	Compliance	E002	08/09/2023	Molybdenum, total	0.0006 J	mg/L
G302	Compliance	E002	08/09/2023	Oxidation Reduction Potential	-80.0	mV
G302	Compliance	E002	08/09/2023	pH (field)	6.5	SU
G302	Compliance	E002	08/09/2023	Radium 226 + Radium 228, total	0.923	pCi/L
G302	Compliance	E002	08/09/2023	Selenium, total	0.0006 U	mg/L
G302	Compliance	E002	08/09/2023	Specific Conductance @ 25C (field)	2,460	micromhos/cm
G302	Compliance	E002	08/09/2023	Sulfate, total	356	mg/L
G302	Compliance	E002	08/09/2023	Temperature	16.0	degrees C
G302	Compliance	E002	08/09/2023	Thallium, total	0.001 U	mg/L
G302	Compliance	E002	08/09/2023	Total Dissolved Solids	998	mg/L
G302	Compliance	E002	08/09/2023	Turbidity, field	8.10	NTU
G303	Compliance	E002	08/09/2023	Antimony, total	0.0004 U	mg/L
G303	Compliance	E002	08/09/2023	Arsenic, total	0.00260	mg/L
G303	Compliance	E002	08/09/2023	Barium, total	0.0183	mg/L
G303	Compliance	E002	08/09/2023	Beryllium, total	0.0003 U	mg/L
G303	Compliance	E002	08/09/2023	Boron, total	1.95	mg/L
G303	Compliance	E002	08/09/2023	Cadmium, total	0.0002 U	mg/L
G303	Compliance	E002	08/09/2023	Calcium, total	190	mg/L
G303	Compliance	E002	08/09/2023	Chloride, total	27.0	mg/L
G303	Compliance	E002	08/09/2023	Chromium, total	0.0014 J	mg/L
G303	Compliance	E002	08/09/2023	Cobalt, total	0.00240	mg/L
G303	Compliance	E002	08/09/2023	Dissolved Oxygen	2.18	mg/L
G303	Compliance	E002	08/09/2023	Fluoride, total	0.270 J+	mg/L
G303	Compliance	E002	08/09/2023	Lead, total	0.00110	mg/L
G303	Compliance	E002	08/09/2023	Lithium, total	0.0398	mg/L
G303	Compliance	E002	08/09/2023	Mercury, total	0.00006 U	mg/L
G303	Compliance	E002	08/09/2023	Molybdenum, total	0.00200	mg/L
G303	Compliance	E002	08/09/2023	Oxidation Reduction Potential	-91.0	mV
G303	Compliance	E002	08/09/2023	pH (field)	6.8	SU
G303	Compliance	E002	08/09/2023	Radium 226 + Radium 228, total	1.36	pCi/L
G303	Compliance	E002	08/09/2023	Selenium, total	0.0006 U	mg/L
G303	Compliance	E002	08/09/2023	Specific Conductance @ 25C (field)	3,750	micromhos/cm
G303	Compliance	E002	08/09/2023	Sulfate, total	723	mg/L
G303	Compliance	E002	08/09/2023	Temperature	15.4	degrees C
G303	Compliance	E002	08/09/2023	Thallium, total	0.001 U	mg/L
G303	Compliance	E002	08/09/2023	Total Dissolved Solids	1,620	mg/L
G303	Compliance	E002	08/09/2023	Turbidity, field	43.0	NTU
G305	Compliance	E002	08/10/2023	Antimony, total	0.0009 J	mg/L
G305	Compliance	E002	08/10/2023	Arsenic, total	0.0007 J	mg/L
G305	Compliance	E002	08/10/2023	Barium, total	0.0254	mg/L
G305	Compliance	E002	08/10/2023	Beryllium, total	0.0002 U	mg/L
G305	Compliance	E002	08/10/2023	Boron, total	2.66	mg/L
G305	Compliance	E002	08/10/2023	Cadmium, total	0.0002 U	mg/L
G305	Compliance	E002	08/10/2023	Calcium, total	188	mg/L
G305	Compliance	E002	08/10/2023	Chloride, total	21.0	mg/L

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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G305	Compliance	E002	08/10/2023	Chromium, total	0.0012 J	mg/L
G305	Compliance	E002	08/10/2023	Cobalt, total	0.0006 J	mg/L
G305	Compliance	E002	08/10/2023	Dissolved Oxygen	1.76	mg/L
G305	Compliance	E002	08/10/2023	Fluoride, total	0.490 J+	mg/L
G305	Compliance	E002	08/10/2023	Lead, total	0.0007 J	mg/L
G305	Compliance	E002	08/10/2023	Lithium, total	0.00850	mg/L
G305	Compliance	E002	08/10/2023	Mercury, total	0.00006 U	mg/L
G305	Compliance	E002	08/10/2023	Molybdenum, total	0.00160	mg/L
G305	Compliance	E002	08/10/2023	Oxidation Reduction Potential	-41.0	mV
G305	Compliance	E002	08/10/2023	pH (field)	7.3	SU
G305	Compliance	E002	08/10/2023	Radium 226 + Radium 228, total	0.549	pCi/L
G305	Compliance	E002	08/10/2023	Selenium, total	0.0006 U	mg/L
G305	Compliance	E002	08/10/2023	Specific Conductance @ 25C (field)	3,230	micromhos/cm
G305	Compliance	E002	08/10/2023	Sulfate, total	863	mg/L
G305	Compliance	E002	08/10/2023	Temperature	15.4	degrees C
G305	Compliance	E002	08/10/2023	Thallium, total	0.001 U	mg/L
G305	Compliance	E002	08/10/2023	Total Dissolved Solids	1,580	mg/L
G305	Compliance	E002	08/10/2023	Turbidity, field	13.0	NTU
G307D	Compliance	E002	08/10/2023	Antimony, total	0.0008 J	mg/L
G307D	Compliance	E002	08/10/2023	Arsenic, total	0.00190	mg/L
G307D	Compliance	E002	08/10/2023	Barium, total	0.0217	mg/L
G307D	Compliance	E002	08/10/2023	Beryllium, total	0.0002 U	mg/L
G307D	Compliance	E002	08/10/2023	Boron, total	2.54	mg/L
G307D	Compliance	E002	08/10/2023	Cadmium, total	0.0002 U	mg/L
G307D	Compliance	E002	08/10/2023	Calcium, total	136	mg/L
G307D	Compliance	E002	08/10/2023	Chloride, total	14.0	mg/L
G307D	Compliance	E002	08/10/2023	Chromium, total	0.001 J	mg/L
G307D	Compliance	E002	08/10/2023	Cobalt, total	0.0009 J	mg/L
G307D	Compliance	E002	08/10/2023	Dissolved Oxygen	0.790	mg/L
G307D	Compliance	E002	08/10/2023	Fluoride, total	0.600 J+	mg/L
G307D	Compliance	E002	08/10/2023	Lead, total	0.0006 U	mg/L
G307D	Compliance	E002	08/10/2023	Lithium, total	0.00320	mg/L
G307D	Compliance	E002	08/10/2023	Mercury, total	0.00006 U	mg/L
G307D	Compliance	E002	08/10/2023	Molybdenum, total	0.00540	mg/L
G307D	Compliance	E002	08/10/2023	Oxidation Reduction Potential	-70.0	mV
G307D	Compliance	E002	08/10/2023	pH (field)	7.2	SU
G307D	Compliance	E002	08/10/2023	Radium 226 + Radium 228, total	0.535	pCi/L
G307D	Compliance	E002	08/10/2023	Selenium, total	0.0006 U	mg/L
G307D	Compliance	E002	08/10/2023	Specific Conductance @ 25C (field)	2,580	micromhos/cm
G307D	Compliance	E002	08/10/2023	Sulfate, total	589	mg/L
G307D	Compliance	E002	08/10/2023	Temperature	19.8	degrees C
G307D	Compliance	E002	08/10/2023	Thallium, total	0.001 U	mg/L
G307D	Compliance	E002	08/10/2023	Total Dissolved Solids	1,080	mg/L
G307D	Compliance	E002	08/10/2023	Turbidity, field	20.0	NTU
G308	Compliance	E002	08/10/2023	Antimony, total	0.0006 U	mg/L
G308	Compliance	E002	08/10/2023	Arsenic, total	0.0005 J	mg/L

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COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G308	Compliance	E002	08/10/2023	Barium, total	0.0222	mg/L
G308	Compliance	E002	08/10/2023	Beryllium, total	0.0002 U	mg/L
G308	Compliance	E002	08/10/2023	Boron, total	2.64	mg/L
G308	Compliance	E002	08/10/2023	Cadmium, total	0.0002 U	mg/L
G308	Compliance	E002	08/10/2023	Calcium, total	196	mg/L
G308	Compliance	E002	08/10/2023	Chloride, total	10.0	mg/L
G308	Compliance	E002	08/10/2023	Chromium, total	0.0009 J	mg/L
G308	Compliance	E002	08/10/2023	Cobalt, total	0.0004 J	mg/L
G308	Compliance	E002	08/10/2023	Dissolved Oxygen	0.490	mg/L
G308	Compliance	E002	08/10/2023	Fluoride, total	0.640	mg/L
G308	Compliance	E002	08/10/2023	Lead, total	0.0006 U	mg/L
G308	Compliance	E002	08/10/2023	Lithium, total	0.00770	mg/L
G308	Compliance	E002	08/10/2023	Mercury, total	0.00006 U	mg/L
G308	Compliance	E002	08/10/2023	Molybdenum, total	0.00160	mg/L
G308	Compliance	E002	08/10/2023	Oxidation Reduction Potential	-3.00	mV
G308	Compliance	E002	08/10/2023	pH (field)	7.3	SU
G308	Compliance	E002	08/10/2023	Radium 226 + Radium 228, total	0.572	pCi/L
G308	Compliance	E002	08/10/2023	Selenium, total	0.0006 U	mg/L
G308	Compliance	E002	08/10/2023	Specific Conductance @ 25C (field)	3,500	micromhos/cm
G308	Compliance	E002	08/10/2023	Sulfate, total	996	mg/L
G308	Compliance	E002	08/10/2023	Temperature	16.2	degrees C
G308	Compliance	E002	08/10/2023	Thallium, total	0.001 U	mg/L
G308	Compliance	E002	08/10/2023	Total Dissolved Solids	1,760	mg/L
G308	Compliance	E002	08/10/2023	Turbidity, field	9.00	NTU
G310	Compliance	E002	08/09/2023	Antimony, total	0.0004 U	mg/L
G310	Compliance	E002	08/09/2023	Arsenic, total	0.0004 U	mg/L
G310	Compliance	E002	08/09/2023	Barium, total	0.0147	mg/L
G310	Compliance	E002	08/09/2023	Beryllium, total	0.0003 U	mg/L
G310	Compliance	E002	08/09/2023	Boron, total	1.95	mg/L
G310	Compliance	E002	08/09/2023	Cadmium, total	0.0002 J	mg/L
G310	Compliance	E002	08/09/2023	Calcium, total	158	mg/L
G310	Compliance	E002	08/09/2023	Chloride, total	14.0	mg/L
G310	Compliance	E002	08/09/2023	Chromium, total	0.0007 U	mg/L
G310	Compliance	E002	08/09/2023	Cobalt, total	0.00130	mg/L
G310	Compliance	E002	08/09/2023	Dissolved Oxygen	0.480	mg/L
G310	Compliance	E002	08/09/2023	Fluoride, total	0.320 J+	mg/L
G310	Compliance	E002	08/09/2023	Lead, total	0.0006 J	mg/L
G310	Compliance	E002	08/09/2023	Lithium, total	0.00600	mg/L
G310	Compliance	E002	08/09/2023	Mercury, total	0.00006 U	mg/L
G310	Compliance	E002	08/09/2023	Molybdenum, total	0.0006 U	mg/L
G310	Compliance	E002	08/09/2023	Oxidation Reduction Potential	99.0	mV
G310	Compliance	E002	08/09/2023	pH (field)	6.8	SU
G310	Compliance	E002	08/09/2023	Radium 226 + Radium 228, total	0.557	pCi/L
G310	Compliance	E002	08/09/2023	Selenium, total	0.0006 U	mg/L
G310	Compliance	E002	08/09/2023	Specific Conductance @ 25C (field)	2,640	micromhos/cm
G310	Compliance	E002	08/09/2023	Sulfate, total	611	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G310	Compliance	E002	08/09/2023	Temperature	15.5	degrees C
G310	Compliance	E002	08/09/2023	Thallium, total	0.001 U	mg/L
G310	Compliance	E002	08/09/2023	Total Dissolved Solids	1,160	mg/L
G310	Compliance	E002	08/09/2023	Turbidity, field	1.10	NTU
G312	Compliance	E002	08/09/2023	Antimony, total	0.0004 U	mg/L
G312	Compliance	E002	08/09/2023	Arsenic, total	0.0005 J	mg/L
G312	Compliance	E002	08/09/2023	Barium, total	0.0306	mg/L
G312	Compliance	E002	08/09/2023	Beryllium, total	0.0003 J	mg/L
G312	Compliance	E002	08/09/2023	Boron, total	3.51	mg/L
G312	Compliance	E002	08/09/2023	Cadmium, total	0.0002 U	mg/L
G312	Compliance	E002	08/09/2023	Calcium, total	242	mg/L
G312	Compliance	E002	08/09/2023	Chloride, total	31.0	mg/L
G312	Compliance	E002	08/09/2023	Chromium, total	0.0007 U	mg/L
G312	Compliance	E002	08/09/2023	Cobalt, total	0.00460	mg/L
G312	Compliance	E002	08/09/2023	Dissolved Oxygen	0.530	mg/L
G312	Compliance	E002	08/09/2023	Fluoride, total	0.220 J+	mg/L
G312	Compliance	E002	08/09/2023	Lead, total	0.0006 U	mg/L
G312	Compliance	E002	08/09/2023	Lithium, total	0.0180	mg/L
G312	Compliance	E002	08/09/2023	Mercury, total	0.00006 U	mg/L
G312	Compliance	E002	08/09/2023	Molybdenum, total	0.006 U	mg/L
G312	Compliance	E002	08/09/2023	Oxidation Reduction Potential	3.00	mV
G312	Compliance	E002	08/09/2023	pH (field)	6.1	SU
G312	Compliance	E002	08/09/2023	Radium 226 + Radium 228, total	0.816	pCi/L
G312	Compliance	E002	08/09/2023	Selenium, total	0.0006 U	mg/L
G312	Compliance	E002	08/09/2023	Specific Conductance @ 25C (field)	3,870	micromhos/cm
G312	Compliance	E002	08/09/2023	Sulfate, total	965	mg/L
G312	Compliance	E002	08/09/2023	Temperature	16.6	degrees C
G312	Compliance	E002	08/09/2023	Thallium, total	0.001 U	mg/L
G312	Compliance	E002	08/09/2023	Total Dissolved Solids	2,010	mg/L
G312	Compliance	E002	08/09/2023	Turbidity, field	8.20	NTU
G313	Compliance	E002	08/09/2023	Antimony, total	0.0004 U	mg/L
G313	Compliance	E002	08/09/2023	Arsenic, total	0.0005 J	mg/L
G313	Compliance	E002	08/09/2023	Barium, total	0.0193	mg/L
G313	Compliance	E002	08/09/2023	Beryllium, total	0.0003 U	mg/L
G313	Compliance	E002	08/09/2023	Boron, total	3.63	mg/L
G313	Compliance	E002	08/09/2023	Cadmium, total	0.0002 U	mg/L
G313	Compliance	E002	08/09/2023	Calcium, total	200	mg/L
G313	Compliance	E002	08/09/2023	Chloride, total	22.0	mg/L
G313	Compliance	E002	08/09/2023	Chromium, total	0.0008 J	mg/L
G313	Compliance	E002	08/09/2023	Cobalt, total	0.0008 J	mg/L
G313	Compliance	E002	08/09/2023	Dissolved Oxygen	0.440	mg/L
G313	Compliance	E002	08/09/2023	Fluoride, total	0.320 J+	mg/L
G313	Compliance	E002	08/09/2023	Lead, total	0.0006 U	mg/L
G313	Compliance	E002	08/09/2023	Lithium, total	0.0181	mg/L
G313	Compliance	E002	08/09/2023	Mercury, total	0.00006 U	mg/L
G313	Compliance	E002	08/09/2023	Molybdenum, total	0.0012 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G313	Compliance	E002	08/09/2023	Oxidation Reduction Potential	-36.0	mV
G313	Compliance	E002	08/09/2023	pH (field)	6.7	SU
G313	Compliance	E002	08/09/2023	Radium 226 + Radium 228, total	0.627	pCi/L
G313	Compliance	E002	08/09/2023	Selenium, total	0.0006 U	mg/L
G313	Compliance	E002	08/09/2023	Specific Conductance @ 25C (field)	3,380	micromhos/cm
G313	Compliance	E002	08/09/2023	Sulfate, total	667	mg/L
G313	Compliance	E002	08/09/2023	Temperature	18.1	degrees C
G313	Compliance	E002	08/09/2023	Thallium, total	0.001 U	mg/L
G313	Compliance	E002	08/09/2023	Total Dissolved Solids	1,500	mg/L
G313	Compliance	E002	08/09/2023	Turbidity, field	9.30	NTU
G314	Compliance	E002	08/09/2023	Antimony, total	0.00110	mg/L
G314	Compliance	E002	08/09/2023	Arsenic, total	0.0007 J	mg/L
G314	Compliance	E002	08/09/2023	Barium, total	0.0183	mg/L
G314	Compliance	E002	08/09/2023	Beryllium, total	0.0003 U	mg/L
G314	Compliance	E002	08/09/2023	Boron, total	0.130 J+	mg/L
G314	Compliance	E002	08/09/2023	Cadmium, total	0.0002 U	mg/L
G314	Compliance	E002	08/09/2023	Calcium, total	631	mg/L
G314	Compliance	E002	08/09/2023	Chloride, total	31.0	mg/L
G314	Compliance	E002	08/09/2023	Chromium, total	0.0007 U	mg/L
G314	Compliance	E002	08/09/2023	Cobalt, total	0.00780	mg/L
G314	Compliance	E002	08/09/2023	Dissolved Oxygen	0.450	mg/L
G314	Compliance	E002	08/09/2023	Fluoride, total	0.210 J+	mg/L
G314	Compliance	E002	08/09/2023	Lead, total	0.0006 U	mg/L
G314	Compliance	E002	08/09/2023	Lithium, total	0.00560	mg/L
G314	Compliance	E002	08/09/2023	Mercury, total	0.00006 U	mg/L
G314	Compliance	E002	08/09/2023	Molybdenum, total	0.00210	mg/L
G314	Compliance	E002	08/09/2023	Oxidation Reduction Potential	-41.0	mV
G314	Compliance	E002	08/09/2023	pH (field)	6.4	SU
G314	Compliance	E002	08/09/2023	Radium 226 + Radium 228, total	1.2	pCi/L
G314	Compliance	E002	08/09/2023	Selenium, total	0.0006 U	mg/L
G314	Compliance	E002	08/09/2023	Specific Conductance @ 25C (field)	6,680	micromhos/cm
G314	Compliance	E002	08/09/2023	Sulfate, total	2,070	mg/L
G314	Compliance	E002	08/09/2023	Temperature	16.7	degrees C
G314	Compliance	E002	08/09/2023	Thallium, total	0.001 U	mg/L
G314	Compliance	E002	08/09/2023	Total Dissolved Solids	3,780	mg/L
G314	Compliance	E002	08/09/2023	Turbidity, field	2.20	NTU
G314D	Compliance	E002	08/09/2023	Antimony, total	0.0007 J	mg/L
G314D	Compliance	E002	08/09/2023	Arsenic, total	0.00130	mg/L
G314D	Compliance	E002	08/09/2023	Barium, total	0.0351	mg/L
G314D	Compliance	E002	08/09/2023	Beryllium, total	0.0003 U	mg/L
G314D	Compliance	E002	08/09/2023	Boron, total	0.190 J+	mg/L
G314D	Compliance	E002	08/09/2023	Cadmium, total	0.0002 U	mg/L
G314D	Compliance	E002	08/09/2023	Calcium, total	274	mg/L
G314D	Compliance	E002	08/09/2023	Chloride, total	63.0	mg/L
G314D	Compliance	E002	08/09/2023	Chromium, total	0.0007 U	mg/L
G314D	Compliance	E002	08/09/2023	Cobalt, total	0.00360	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G314D	Compliance	E002	08/09/2023	Dissolved Oxygen	0.640	mg/L
G314D	Compliance	E002	08/09/2023	Fluoride, total	0.650	mg/L
G314D	Compliance	E002	08/09/2023	Lead, total	0.0006 U	mg/L
G314D	Compliance	E002	08/09/2023	Lithium, total	0.0122	mg/L
G314D	Compliance	E002	08/09/2023	Mercury, total	0.00006 U	mg/L
G314D	Compliance	E002	08/09/2023	Molybdenum, total	0.00450	mg/L
G314D	Compliance	E002	08/09/2023	Oxidation Reduction Potential	-45.0	mV
G314D	Compliance	E002	08/09/2023	pH (field)	6.8	SU
G314D	Compliance	E002	08/09/2023	Radium 226 + Radium 228, total	1.6	pCi/L
G314D	Compliance	E002	08/09/2023	Selenium, total	0.0006 U	mg/L
G314D	Compliance	E002	08/09/2023	Specific Conductance @ 25C (field)	5,230	micromhos/cm
G314D	Compliance	E002	08/09/2023	Sulfate, total	1,090	mg/L
G314D	Compliance	E002	08/09/2023	Temperature	15.1	degrees C
G314D	Compliance	E002	08/09/2023	Thallium, total	0.001 U	mg/L
G314D	Compliance	E002	08/09/2023	Total Dissolved Solids	2,380	mg/L
G314D	Compliance	E002	08/09/2023	Turbidity, field	9.60	NTU
G315	Compliance	E002	08/10/2023	Antimony, total	0.0006 U	mg/L
G315	Compliance	E002	08/10/2023	Arsenic, total	0.0005 J	mg/L
G315	Compliance	E002	08/10/2023	Barium, total	0.0175	mg/L
G315	Compliance	E002	08/10/2023	Beryllium, total	0.0006 J	mg/L
G315	Compliance	E002	08/10/2023	Boron, total	1.68	mg/L
G315	Compliance	E002	08/10/2023	Cadmium, total	0.0002 U	mg/L
G315	Compliance	E002	08/10/2023	Calcium, total	147	mg/L
G315	Compliance	E002	08/10/2023	Chloride, total	14.0	mg/L
G315	Compliance	E002	08/10/2023	Chromium, total	0.0007 J	mg/L
G315	Compliance	E002	08/10/2023	Cobalt, total	0.00140	mg/L
G315	Compliance	E002	08/10/2023	Dissolved Oxygen	0.810	mg/L
G315	Compliance	E002	08/10/2023	Fluoride, total	0.300 J+	mg/L
G315	Compliance	E002	08/10/2023	Lead, total	0.0006 U	mg/L
G315	Compliance	E002	08/10/2023	Lithium, total	0.00660	mg/L
G315	Compliance	E002	08/10/2023	Mercury, total	0.00006 U	mg/L
G315	Compliance	E002	08/10/2023	Molybdenum, total	0.0006 J	mg/L
G315	Compliance	E002	08/10/2023	Oxidation Reduction Potential	98.0	mV
G315	Compliance	E002	08/10/2023	pH (field)	6.7	SU
G315	Compliance	E002	08/10/2023	Radium 226 + Radium 228, total	0.581	pCi/L
G315	Compliance	E002	08/10/2023	Selenium, total	0.0006 U	mg/L
G315	Compliance	E002	08/10/2023	Specific Conductance @ 25C (field)	2,600	micromhos/cm
G315	Compliance	E002	08/10/2023	Sulfate, total	603	mg/L
G315	Compliance	E002	08/10/2023	Temperature	16.1	degrees C
G315	Compliance	E002	08/10/2023	Thallium, total	0.001 U	mg/L
G315	Compliance	E002	08/10/2023	Total Dissolved Solids	1,190	mg/L
G315	Compliance	E002	08/10/2023	Turbidity, field	9.20	NTU
G316	Compliance	E002	08/09/2023	Antimony, total	0.0005 J	mg/L
G316	Compliance	E002	08/09/2023	Arsenic, total	0.00950	mg/L
G316	Compliance	E002	08/09/2023	Barium, total	0.0743	mg/L
G316	Compliance	E002	08/09/2023	Beryllium, total	0.0003 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G316	Compliance	E002	08/09/2023	Boron, total	0.441 J+	mg/L
G316	Compliance	E002	08/09/2023	Cadmium, total	0.0002 U	mg/L
G316	Compliance	E002	08/09/2023	Calcium, total	203	mg/L
G316	Compliance	E002	08/09/2023	Chloride, total	26.0	mg/L
G316	Compliance	E002	08/09/2023	Chromium, total	0.0007 U	mg/L
G316	Compliance	E002	08/09/2023	Cobalt, total	0.00280	mg/L
G316	Compliance	E002	08/09/2023	Dissolved Oxygen	0.530	mg/L
G316	Compliance	E002	08/09/2023	Fluoride, total	0.280 J+	mg/L
G316	Compliance	E002	08/09/2023	Lead, total	0.0006 U	mg/L
G316	Compliance	E002	08/09/2023	Lithium, total	0.0017 J	mg/L
G316	Compliance	E002	08/09/2023	Mercury, total	0.00006 U	mg/L
G316	Compliance	E002	08/09/2023	Molybdenum, total	0.00440	mg/L
G316	Compliance	E002	08/09/2023	Oxidation Reduction Potential	-114	mV
G316	Compliance	E002	08/09/2023	pH (field)	6.7	SU
G316	Compliance	E002	08/09/2023	Radium 226 + Radium 228, total	0.662	pCi/L
G316	Compliance	E002	08/09/2023	Selenium, total	0.0006 U	mg/L
G316	Compliance	E002	08/09/2023	Specific Conductance @ 25C (field)	3,740	micromhos/cm
G316	Compliance	E002	08/09/2023	Sulfate, total	662	mg/L
G316	Compliance	E002	08/09/2023	Temperature	16.1	degrees C
G316	Compliance	E002	08/09/2023	Thallium, total	0.001 U	mg/L
G316	Compliance	E002	08/09/2023	Total Dissolved Solids	1,620	mg/L
G316	Compliance	E002	08/09/2023	Turbidity, field	9.90	NTU

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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
G301	UA	E002	Antimony, total	mg/L	11/20/15 - 08/09/23	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G301	UA	E002	Arsenic, total	mg/L	11/20/15 - 08/09/23	21	62	CI around median	0.001	0.010	Standard	No Exceedance
G301	UA	E002	Barium, total	mg/L	11/20/15 - 08/09/23	21	0	CB around T-S line	-0.0101	2.0	Standard	No Exceedance
G301	UA	E002	Beryllium, total	mg/L	11/20/15 - 08/09/23	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G301	UA	E002	Boron, total	mg/L	11/20/15 - 08/09/23	22	0	CB around linear reg	1.82	3.20	Background	No Exceedance
G301	UA	E002	Cadmium, total	mg/L	11/20/15 - 08/09/23	21	95	CI around median	0.001	0.005	Standard	No Exceedance
G301	UA	E002	Chloride, total	mg/L	11/20/15 - 08/09/23	22	0	CB around linear reg	8.44	200	Standard	No Exceedance
G301	UA	E002	Chromium, total	mg/L	11/20/15 - 08/09/23	21	62	CI around median	0.004	0.1	Standard	No Exceedance
G301	UA	E002	Cobalt, total	mg/L	11/20/15 - 08/09/23	21	33	CB around T-S line	0.000466	0.006	Standard	No Exceedance
G301	UA	E002	Fluoride, total	mg/L	11/20/15 - 08/09/23	22	36	CI around geomean	0.264	4.0	Standard	No Exceedance
G301	UA	E002	Lead, total	mg/L	11/20/15 - 08/09/23	21	48	CI around median	0.001	0.0075	Standard	No Exceedance
G301	UA	E002	Lithium, total	mg/L	11/20/15 - 08/09/23	21	62	CB around T-S line	0.01	0.04	Standard	No Exceedance
G301	UA	E002	Mercury, total	mg/L	11/20/15 - 08/09/23	16	94	CI around median	0.0002	0.002	Standard	No Exceedance
G301	UA	E002	Molybdenum, total	mg/L	11/20/15 - 08/09/23	21	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G301	UA	E002	pH (field)	SU	11/20/15 - 08/09/23	22	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
G301	UA	E002	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/09/23	21	0	CI around mean	0.552	5	Standard	No Exceedance
G301	UA	E002	Selenium, total	mg/L	11/20/15 - 08/09/23	20	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G301	UA	E002	Sulfate, total	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	652	400	Standard	Exceedance
G301	UA	E002	Thallium, total	mg/L	11/20/15 - 08/09/23	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G301	UA	E002	Total Dissolved Solids	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	1,080	1,200	Standard	No Exceedance
G302	UA	E002	Antimony, total	mg/L	11/20/15 - 08/09/23	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G302	UA	E002	Arsenic, total	mg/L	11/20/15 - 08/09/23	21	24	CI around geomean	0.00119	0.010	Standard	No Exceedance
G302	UA	E002	Barium, total	mg/L	11/20/15 - 08/09/23	21	0	CI around geomean	0.0278	2.0	Standard	No Exceedance
G302	UA	E002	Beryllium, total	mg/L	11/20/15 - 08/09/23	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G302	UA	E002	Boron, total	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	1.6	3.20	Background	No Exceedance
G302	UA	E002	Cadmium, total	mg/L	11/20/15 - 08/09/23	21	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G302	UA	E002	Chloride, total	mg/L	11/20/15 - 08/09/23	22	4	CI around mean	11.1	200	Standard	No Exceedance

TABLE 2.
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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	E002	Chromium, total	mg/L	11/20/15 - 08/09/23	21	67	CI around median	0.004	0.1	Standard	No Exceedance
G302	UA	E002	Cobalt, total	mg/L	11/20/15 - 08/09/23	21	29	CI around median	0.002	0.006	Standard	No Exceedance
G302	UA	E002	Fluoride, total	mg/L	11/20/15 - 08/09/23	22	36	CI around median	0.25	4.0	Standard	No Exceedance
G302	UA	E002	Lead, total	mg/L	11/20/15 - 08/09/23	21	57	CI around median	0.001	0.0075	Standard	No Exceedance
G302	UA	E002	Lithium, total	mg/L	11/20/15 - 08/09/23	21	33	CI around mean	0.0128	0.04	Standard	No Exceedance
G302	UA	E002	Mercury, total	mg/L	11/20/15 - 08/09/23	16	94	CI around median	0.0002	0.002	Standard	No Exceedance
G302	UA	E002	Molybdenum, total	mg/L	11/20/15 - 08/09/23	21	48	CI around median	0.001	0.1	Standard	No Exceedance
G302	UA	E002	pH (field)	SU	11/20/15 - 08/09/23	22	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G302	UA	E002	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/09/23	21	0	CI around geomean	0.362	5	Standard	No Exceedance
G302	UA	E002	Selenium, total	mg/L	11/20/15 - 08/09/23	20	95	CI around median	0.001	0.05	Standard	No Exceedance
G302	UA	E002	Sulfate, total	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	368	400	Standard	No Exceedance
G302	UA	E002	Thallium, total	mg/L	11/20/15 - 08/09/23	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G302	UA	E002	Total Dissolved Solids	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	952	1,200	Standard	No Exceedance
G303	UA	E002	Antimony, total	mg/L	11/20/15 - 08/09/23	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G303	UA	E002	Arsenic, total	mg/L	11/20/15 - 08/09/23	21	5	CB around linear reg	-0.00318	0.010	Standard	No Exceedance
G303	UA	E002	Barium, total	mg/L	11/20/15 - 08/09/23	21	0	CI around median	0.015	2.0	Standard	No Exceedance
G303	UA	E002	Beryllium, total	mg/L	11/20/15 - 08/09/23	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G303	UA	E002	Boron, total	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	1.73	3.20	Background	No Exceedance
G303	UA	E002	Cadmium, total	mg/L	11/20/15 - 08/09/23	21	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G303	UA	E002	Chloride, total	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	27.9	200	Standard	No Exceedance
G303	UA	E002	Chromium, total	mg/L	11/20/15 - 08/09/23	21	90	CI around median	0.004	0.1	Standard	No Exceedance
G303	UA	E002	Cobalt, total	mg/L	11/20/15 - 08/09/23	21	33	CI around geomean	0.00235	0.006	Standard	No Exceedance
G303	UA	E002	Fluoride, total	mg/L	11/20/15 - 08/09/23	22	23	CI around mean	0.263	4.0	Standard	No Exceedance
G303	UA	E002	Lead, total	mg/L	11/20/15 - 08/09/23	21	86	CI around median	0.001	0.0075	Standard	No Exceedance
G303	UA	E002	Lithium, total	mg/L	11/20/15 - 08/09/23	21	0	CB around linear reg	0.0117	0.04	Standard	No Exceedance
G303	UA	E002	Mercury, total	mg/L	11/20/15 - 08/09/23	16	88	CI around median	0.0002	0.002	Standard	No Exceedance
G303	UA	E002	Molybdenum, total	mg/L	11/20/15 - 08/09/23	21	0	CB around linear reg	0.00107	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	pH (field)	SU	11/20/15 - 08/09/23	22	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G303	UA	E002	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/09/23	21	0	CI around mean	0.572	5	Standard	No Exceedance
G303	UA	E002	Selenium, total	mg/L	11/20/15 - 08/09/23	20	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G303	UA	E002	Sulfate, total	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	708	400	Standard	Exceedance
G303	UA	E002	Thallium, total	mg/L	11/20/15 - 08/09/23	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G303	UA	E002	Total Dissolved Solids	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	1,510	1,200	Standard	Exceedance
G305	UA	E002	Antimony, total	mg/L	05/19/16 - 08/10/23	8	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G305	UA	E002	Arsenic, total	mg/L	05/19/16 - 08/10/23	8	50	CI around median	0.001	0.010	Standard	No Exceedance
G305	UA	E002	Barium, total	mg/L	05/19/16 - 08/10/23	8	0	CI around mean	0.0236	2.0	Standard	No Exceedance
G305	UA	E002	Beryllium, total	mg/L	05/19/16 - 08/10/23	8	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G305	UA	E002	Boron, total	mg/L	05/19/16 - 08/10/23	8	0	CI around mean	1.93	3.20	Background	No Exceedance
G305	UA	E002	Cadmium, total	mg/L	05/19/16 - 08/10/23	8	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G305	UA	E002	Chloride, total	mg/L	05/19/16 - 08/10/23	8	0	CI around geomean	19.8	200	Standard	No Exceedance
G305	UA	E002	Chromium, total	mg/L	05/19/16 - 08/10/23	8	50	CI around mean	-0.00132	0.1	Standard	No Exceedance
G305	UA	E002	Cobalt, total	mg/L	05/19/16 - 08/10/23	8	62	CI around median	0.001	0.006	Standard	No Exceedance
G305	UA	E002	Fluoride, total	mg/L	05/19/16 - 08/10/23	8	0	CI around mean	0.323	4.0	Standard	No Exceedance
G305	UA	E002	Lead, total	mg/L	05/19/16 - 08/10/23	8	12	CI around geomean	0.000823	0.0075	Standard	No Exceedance
G305	UA	E002	Lithium, total	mg/L	05/19/16 - 08/10/23	8	50	CI around mean	0.00667	0.04	Standard	No Exceedance
G305	UA	E002	Mercury, total	mg/L	05/19/16 - 08/10/23	8	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G305	UA	E002	Molybdenum, total	mg/L	05/19/16 - 08/10/23	8	38	CI around mean	0.000776	0.1	Standard	No Exceedance
G305	UA	E002	pH (field)	SU	05/19/16 - 08/10/23	8	0	CI around mean	7.0/7.4	6.5/9.0	Standard/Standard	No Exceedance
G305	UA	E002	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 08/10/23	8	0	CI around mean	0.443	5	Standard	No Exceedance
G305	UA	E002	Selenium, total	mg/L	05/19/16 - 08/10/23	8	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G305	UA	E002	Sulfate, total	mg/L	05/19/16 - 08/10/23	8	0	CI around mean	801	400	Standard	Exceedance
G305	UA	E002	Thallium, total	mg/L	05/19/16 - 08/10/23	8	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G305	UA	E002	Total Dissolved Solids	mg/L	05/19/16 - 08/10/23	8	0	CI around mean	1,320	1,200	Standard	Exceedance
G307D	LCU	E002	Antimony, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Arsenic, total	mg/L	03/29/21 - 08/10/23	8	25	CI around geomean	0.000772	0.010	Standard	No Exceedance
G307D	LCU	E002	Barium, total	mg/L	03/29/21 - 08/10/23	8	0	CB around linear reg	0.0154	2.0	Standard	No Exceedance
G307D	LCU	E002	Beryllium, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G307D	LCU	E002	Boron, total	mg/L	03/29/21 - 08/10/23	8	0	CI around geomean	1.2	3.20	Background	No Exceedance
G307D	LCU	E002	Cadmium, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G307D	LCU	E002	Chloride, total	mg/L	03/29/21 - 08/10/23	7	0	CI around mean	13.8	200	Standard	No Exceedance
G307D	LCU	E002	Chromium, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G307D	LCU	E002	Cobalt, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G307D	LCU	E002	Fluoride, total	mg/L	03/29/21 - 08/10/23	7	0	CI around mean	0.492	4.0	Standard	No Exceedance
G307D	LCU	E002	Lead, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G307D	LCU	E002	Lithium, total	mg/L	03/29/21 - 08/10/23	8	88	CI around median	0.0032	0.04	Standard	No Exceedance
G307D	LCU	E002	Mercury, total	mg/L	03/29/21 - 08/10/23	8	88	CI around median	0.0002	0.002	Standard	No Exceedance
G307D	LCU	E002	Molybdenum, total	mg/L	03/29/21 - 08/10/23	8	0	CI around mean	0.00589	0.1	Standard	No Exceedance
G307D	LCU	E002	pH (field)	SU	03/29/21 - 08/10/23	8	0	CI around mean	7.2/7.3	6.5/9.0	Standard/Standard	No Exceedance
G307D	LCU	E002	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/10/23	9	0	CI around mean	0.176	5	Standard	No Exceedance
G307D	LCU	E002	Selenium, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G307D	LCU	E002	Sulfate, total	mg/L	03/29/21 - 08/10/23	7	0	CI around mean	602	400	Standard	Exceedance
G307D	LCU	E002	Thallium, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307D	LCU	E002	Total Dissolved Solids	mg/L	03/29/21 - 08/10/23	7	0	CI around mean	1,090	1,200	Standard	No Exceedance
G308	UA	E002	Antimony, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G308	UA	E002	Arsenic, total	mg/L	03/29/21 - 08/10/23	11	91	CI around median	0.001	0.010	Standard	No Exceedance
G308	UA	E002	Barium, total	mg/L	03/29/21 - 08/10/23	11	0	CI around mean	0.0204	2.0	Standard	No Exceedance
G308	UA	E002	Beryllium, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G308	UA	E002	Boron, total	mg/L	03/29/21 - 08/10/23	11	0	CI around mean	2.44	3.20	Background	No Exceedance
G308	UA	E002	Cadmium, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G308	UA	E002	Chloride, total	mg/L	03/29/21 - 08/10/23	11	9	CI around median	14	200	Standard	No Exceedance
G308	UA	E002	Chromium, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Cobalt, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G308	UA	E002	Fluoride, total	mg/L	03/29/21 - 08/10/23	11	9	CI around geomean	0.491	4.0	Standard	No Exceedance
G308	UA	E002	Lead, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G308	UA	E002	Lithium, total	mg/L	03/29/21 - 08/10/23	11	91	CI around median	0.02	0.04	Standard	No Exceedance
G308	UA	E002	Mercury, total	mg/L	03/29/21 - 08/10/23	11	91	CI around median	0.0002	0.002	Standard	No Exceedance
G308	UA	E002	Molybdenum, total	mg/L	03/29/21 - 08/10/23	11	9	CI around median	0.0012	0.1	Standard	No Exceedance
G308	UA	E002	pH (field)	SU	03/29/21 - 08/10/23	11	0	CI around mean	7.2/7.3	6.5/9.0	Standard/Standard	No Exceedance
G308	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/10/23	10	0	CI around mean	0.0822	5	Standard	No Exceedance
G308	UA	E002	Selenium, total	mg/L	03/29/21 - 08/10/23	11	91	CI around median	0.001	0.05	Standard	No Exceedance
G308	UA	E002	Sulfate, total	mg/L	03/29/21 - 08/10/23	11	0	CI around mean	1,020	400	Standard	Exceedance
G308	UA	E002	Thallium, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G308	UA	E002	Total Dissolved Solids	mg/L	03/29/21 - 08/10/23	11	0	CI around mean	1,800	1,200	Standard	Exceedance
G310	UA	E002	Antimony, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G310	UA	E002	Arsenic, total	mg/L	03/29/21 - 08/09/23	11	91	CI around median	0.001	0.010	Standard	No Exceedance
G310	UA	E002	Barium, total	mg/L	03/29/21 - 08/09/23	11	0	CI around mean	0.0148	2.0	Standard	No Exceedance
G310	UA	E002	Beryllium, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G310	UA	E002	Boron, total	mg/L	03/29/21 - 08/09/23	11	0	CI around mean	1.68	3.20	Background	No Exceedance
G310	UA	E002	Cadmium, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G310	UA	E002	Chloride, total	mg/L	03/29/21 - 08/09/23	11	0	CI around mean	16.1	200	Standard	No Exceedance
G310	UA	E002	Chromium, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E002	Cobalt, total	mg/L	03/29/21 - 08/09/23	11	91	CI around median	0.002	0.006	Standard	No Exceedance
G310	UA	E002	Fluoride, total	mg/L	03/29/21 - 08/09/23	11	18	CI around mean	0.262	4.0	Standard	No Exceedance
G310	UA	E002	Lead, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G310	UA	E002	Lithium, total	mg/L	03/29/21 - 08/09/23	11	91	CI around median	0.02	0.04	Standard	No Exceedance
G310	UA	E002	Mercury, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G310	UA	E002	Molybdenum, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E002	pH (field)	SU	03/29/21 - 08/09/23	11	0	CI around median	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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
G310	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/09/23	10	0	CI around mean	0.0482	5	Standard	No Exceedance
G310	UA	E002	Selenium, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G310	UA	E002	Sulfate, total	mg/L	03/29/21 - 08/09/23	11	0	CB around T-S line	-6,390	400	Standard	No Exceedance
G310	UA	E002	Thallium, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G310	UA	E002	Total Dissolved Solids	mg/L	03/29/21 - 08/09/23	11	0	CI around median	1,100	1,200	Standard	No Exceedance
G312	UA	E002	Antimony, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G312	UA	E002	Arsenic, total	mg/L	03/30/21 - 08/09/23	10	90	CI around median	0.001	0.010	Standard	No Exceedance
G312	UA	E002	Barium, total	mg/L	03/30/21 - 08/09/23	10	0	CI around mean	0.0243	2.0	Standard	No Exceedance
G312	UA	E002	Beryllium, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G312	UA	E002	Boron, total	mg/L	03/30/21 - 08/09/23	10	0	CI around geomean	1.38	3.20	Background	No Exceedance
G312	UA	E002	Cadmium, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G312	UA	E002	Chloride, total	mg/L	03/30/21 - 08/09/23	10	0	CI around mean	21.6	200	Standard	No Exceedance
G312	UA	E002	Chromium, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G312	UA	E002	Cobalt, total	mg/L	03/30/21 - 08/09/23	10	30	CI around mean	0.00222	0.006	Standard	No Exceedance
G312	UA	E002	Fluoride, total	mg/L	03/30/21 - 08/09/23	10	80	CI around median	0.25	4.0	Standard	No Exceedance
G312	UA	E002	Lead, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G312	UA	E002	Lithium, total	mg/L	03/30/21 - 08/09/23	10	70	CI around median	0.02	0.04	Standard	No Exceedance
G312	UA	E002	Mercury, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G312	UA	E002	Molybdenum, total	mg/L	03/30/21 - 08/09/23	10	90	CI around median	0.001	0.1	Standard	No Exceedance
G312	UA	E002	pH (field)	SU	03/30/21 - 08/09/23	10	0	CI around median	6.3/6.5	6.5/9.0	Standard/Standard	No Exceedance
G312	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/09/23	9	0	CI around mean	0.252	5	Standard	No Exceedance
G312	UA	E002	Selenium, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G312	UA	E002	Sulfate, total	mg/L	03/30/21 - 08/09/23	10	0	CI around mean	721	400	Standard	Exceedance
G312	UA	E002	Thallium, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G312	UA	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/09/23	10	0	CB around linear reg	1,420	1,200	Standard	Exceedance
G313	UA	E002	Antimony, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G313	UA	E002	Arsenic, total	mg/L	03/30/21 - 08/09/23	11	82	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Barium, total	mg/L	03/30/21 - 08/09/23	11	0	CB around linear reg	0.014	2.0	Standard	No Exceedance
G313	UA	E002	Beryllium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G313	UA	E002	Boron, total	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	3.29	3.20	Background	Exceedance
G313	UA	E002	Cadmium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G313	UA	E002	Chloride, total	mg/L	03/30/21 - 08/09/23	11	9	CI around median	22	200	Standard	No Exceedance
G313	UA	E002	Chromium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G313	UA	E002	Cobalt, total	mg/L	03/30/21 - 08/09/23	11	82	CI around median	0.002	0.006	Standard	No Exceedance
G313	UA	E002	Fluoride, total	mg/L	03/30/21 - 08/09/23	11	9	CI around mean	0.227	4.0	Standard	No Exceedance
G313	UA	E002	Lead, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G313	UA	E002	Lithium, total	mg/L	03/30/21 - 08/09/23	11	46	CI around median	0.02	0.04	Standard	No Exceedance
G313	UA	E002	Mercury, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G313	UA	E002	Molybdenum, total	mg/L	03/30/21 - 08/09/23	11	18	CI around mean	0.00102	0.1	Standard	No Exceedance
G313	UA	E002	pH (field)	SU	03/30/21 - 08/09/23	11	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G313	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/09/23	10	0	CI around mean	0.225	5	Standard	No Exceedance
G313	UA	E002	Selenium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G313	UA	E002	Sulfate, total	mg/L	03/30/21 - 08/09/23	11	0	CB around T-S line	-517	400	Standard	No Exceedance
G313	UA	E002	Thallium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G313	UA	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	1,520	1,200	Standard	Exceedance
G314	LCU	E002	Antimony, total	mg/L	03/30/21 - 08/09/23	11	91	CI around median	0.003	0.006	Standard	No Exceedance
G314	LCU	E002	Arsenic, total	mg/L	03/30/21 - 08/09/23	11	73	CI around median	0.001	0.010	Standard	No Exceedance
G314	LCU	E002	Barium, total	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	0.0184	2.0	Standard	No Exceedance
G314	LCU	E002	Beryllium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314	LCU	E002	Boron, total	mg/L	03/30/21 - 08/09/23	11	0	CI around geomean	0.134	3.20	Background	No Exceedance
G314	LCU	E002	Cadmium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314	LCU	E002	Chloride, total	mg/L	03/30/21 - 08/09/23	11	0	CI around median	30	200	Standard	No Exceedance
G314	LCU	E002	Chromium, total	mg/L	03/30/21 - 08/09/23	11	91	CI around median	0.004	0.1	Standard	No Exceedance
G314	LCU	E002	Cobalt, total	mg/L	03/30/21 - 08/09/23	11	9	CI around mean	0.00334	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G314	LCU	E002	Fluoride, total	mg/L	03/30/21 - 08/09/23	11	91	CI around median	0.25	4.0	Standard	No Exceedance
G314	LCU	E002	Lead, total	mg/L	03/30/21 - 08/09/23	11	82	CI around median	0.001	0.0075	Standard	No Exceedance
G314	LCU	E002	Lithium, total	mg/L	03/30/21 - 08/09/23	11	91	CI around median	0.02	0.04	Standard	No Exceedance
G314	LCU	E002	Mercury, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314	LCU	E002	Molybdenum, total	mg/L	03/30/21 - 08/09/23	11	0	CB around linear reg	-0.00436	0.1	Standard	No Exceedance
G314	LCU	E002	pH (field)	SU	03/30/21 - 08/09/23	11	0	CI around mean	6.5/6.8	6.5/9.0	Standard/Standard	No Exceedance
G314	LCU	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/09/23	10	0	CI around mean	0.511	5	Standard	No Exceedance
G314	LCU	E002	Selenium, total	mg/L	03/30/21 - 08/09/23	11	82	CI around median	0.001	0.05	Standard	No Exceedance
G314	LCU	E002	Sulfate, total	mg/L	03/30/21 - 08/09/23	11	0	CI around median	2,000	400	Standard	Exceedance
G314	LCU	E002	Thallium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314	LCU	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/09/23	11	0	CI around median	3,400	1,200	Standard	Exceedance
G314D	DA	E002	Antimony, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G314D	DA	E002	Arsenic, total	mg/L	03/30/21 - 08/09/23	8	50	CI around median	0.001	0.010	Standard	No Exceedance
G314D	DA	E002	Barium, total	mg/L	03/30/21 - 08/09/23	8	0	CI around mean	0.0287	2.0	Standard	No Exceedance
G314D	DA	E002	Beryllium, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314D	DA	E002	Boron, total	mg/L	03/30/21 - 08/09/23	8	0	CI around mean	0.144	3.20	Background	No Exceedance
G314D	DA	E002	Cadmium, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314D	DA	E002	Chloride, total	mg/L	03/30/21 - 08/09/23	7	0	CI around mean	45.6	200	Standard	No Exceedance
G314D	DA	E002	Chromium, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G314D	DA	E002	Cobalt, total	mg/L	03/30/21 - 08/09/23	8	75	CI around median	0.002	0.006	Standard	No Exceedance
G314D	DA	E002	Fluoride, total	mg/L	03/30/21 - 08/09/23	7	0	CI around mean	0.526	4.0	Standard	No Exceedance
G314D	DA	E002	Lead, total	mg/L	03/30/21 - 08/09/23	8	75	CI around median	0.001	0.0075	Standard	No Exceedance
G314D	DA	E002	Lithium, total	mg/L	03/30/21 - 08/09/23	8	50	CB around linear reg	0.00992	0.04	Standard	No Exceedance
G314D	DA	E002	Mercury, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314D	DA	E002	Molybdenum, total	mg/L	03/30/21 - 08/09/23	8	0	CB around linear reg	-0.00896	0.1	Standard	No Exceedance
G314D	DA	E002	pH (field)	SU	03/30/21 - 08/09/23	8	0	CI around mean	6.9/7.3	6.5/9.0	Standard/Standard	No Exceedance
G314D	DA	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/09/23	8	0	CI around mean	1.5	5	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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
G314D	DA	E002	Selenium, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G314D	DA	E002	Sulfate, total	mg/L	03/30/21 - 08/09/23	7	0	CI around mean	735	400	Standard	Exceedance
G314D	DA	E002	Thallium, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314D	DA	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/09/23	7	0	CI around mean	1,760	1,200	Standard	Exceedance
G315	UA	E002	Antimony, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G315	UA	E002	Arsenic, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G315	UA	E002	Barium, total	mg/L	03/30/21 - 08/10/23	11	0	CI around mean	0.0204	2.0	Standard	No Exceedance
G315	UA	E002	Beryllium, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G315	UA	E002	Boron, total	mg/L	03/30/21 - 08/10/23	11	0	CI around median	1.2	3.20	Background	No Exceedance
G315	UA	E002	Cadmium, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G315	UA	E002	Chloride, total	mg/L	03/30/21 - 08/10/23	11	0	CI around median	12	200	Standard	No Exceedance
G315	UA	E002	Chromium, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E002	Cobalt, total	mg/L	03/30/21 - 08/10/23	11	91	CI around median	0.002	0.006	Standard	No Exceedance
G315	UA	E002	Fluoride, total	mg/L	03/30/21 - 08/10/23	11	0	CI around mean	0.263	4.0	Standard	No Exceedance
G315	UA	E002	Lead, total	mg/L	03/30/21 - 08/10/23	11	91	CI around median	0.001	0.0075	Standard	No Exceedance
G315	UA	E002	Lithium, total	mg/L	03/30/21 - 08/10/23	11	91	CI around median	0.02	0.04	Standard	No Exceedance
G315	UA	E002	Mercury, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G315	UA	E002	Molybdenum, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E002	pH (field)	SU	03/30/21 - 08/10/23	11	0	CI around mean	6.8/6.9	6.5/9.0	Standard/Standard	No Exceedance
G315	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/10/23	10	0	CI around mean	0.122	5	Standard	No Exceedance
G315	UA	E002	Selenium, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G315	UA	E002	Sulfate, total	mg/L	03/30/21 - 08/10/23	11	0	CB around T-S line	-468	400	Standard	No Exceedance
G315	UA	E002	Thallium, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G315	UA	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/10/23	11	0	CI around mean	1,290	1,200	Standard	Exceedance
G316	LCU	E002	Antimony, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G316	LCU	E002	Arsenic, total	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	0.00681	0.010	Standard	No Exceedance
G316	LCU	E002	Barium, total	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	0.0616	2.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G316	LCU	E002	Beryllium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G316	LCU	E002	Boron, total	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	0.363	3.20	Background	No Exceedance
G316	LCU	E002	Cadmium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G316	LCU	E002	Chloride, total	mg/L	03/30/21 - 08/09/23	11	0	CI around median	23	200	Standard	No Exceedance
G316	LCU	E002	Chromium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G316	LCU	E002	Cobalt, total	mg/L	03/30/21 - 08/09/23	11	0	CB around linear reg	0.00218	0.006	Standard	No Exceedance
G316	LCU	E002	Fluoride, total	mg/L	03/30/21 - 08/09/23	11	54	CI around median	0.25	4.0	Standard	No Exceedance
G316	LCU	E002	Lead, total	mg/L	03/30/21 - 08/09/23	11	91	CI around median	0.001	0.0075	Standard	No Exceedance
G316	LCU	E002	Lithium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G316	LCU	E002	Mercury, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G316	LCU	E002	Molybdenum, total	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	0.00368	0.1	Standard	No Exceedance
G316	LCU	E002	pH (field)	SU	03/30/21 - 08/09/23	11	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
G316	LCU	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/09/23	10	0	CI around geomean	0.26	5	Standard	No Exceedance
G316	LCU	E002	Selenium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G316	LCU	E002	Sulfate, total	mg/L	03/30/21 - 08/09/23	11	0	CI around median	660	400	Standard	Exceedance
G316	LCU	E002	Thallium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G316	LCU	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/09/23	11	0	CI around median	1,600	1,200	Standard	Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Notes:
Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

DA = Deep Aquifer

LCU = Lower Confining Unit

UA = Uppermost Aquifer

mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits
GWPS = Groundwater Protection Standard
GWPS Source:

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

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

FIGURES

COMPLIANCE WELL
BACKGROUND WELL
STAFF GAGE

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.

RAMBOLL

ATTACHMENTS

ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 3, 2023

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 3, 2023
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	08/08/2023	6.39	619.97
G301	Compliance	08/08/2023	8.11	614.54
G302	Compliance	08/08/2023	12.68	607.36
G303	Compliance	08/08/2023	8.40	613.62
G305	Compliance	08/08/2023	9.19	616.48
G306	Background	08/08/2023	9.70	616.21
G307	Compliance	08/08/2023	0.70	623.90
G307D	Compliance	08/08/2023	7.89	616.99
G308	Compliance	08/08/2023	5.09	619.50
G310	Compliance	08/08/2023	10.30	612.57
G312	Compliance	08/08/2023	14.00	605.78
G313	Compliance	08/08/2023	3.01	611.29
G314	Compliance	08/08/2023	4.88	609.00
G314D	Compliance	08/08/2023	7.78	605.92
G315	Compliance	08/08/2023	3.50	620.02
G316	Compliance	08/08/2023	11.70	590.89
XSG-01	Water Level	08/08/2023	6.25	629.27
SG-03	Water Level	08/08/2023	9.65	585.29

Notes:
Only wells with groundwater elevations measured are included.
BMP = below measuring point
NAVD88 = North American Vertical Datum of 1988

ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 3, 2023

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

November 21, 2023

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

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

RE: COF-23Q3 **WorkOrder:** 23071810

Dear Eric Bauer:

TEKLAB, INC received 23 samples for COF_845_101 on 9/19/2023 1:12:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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)

Teklab, Inc.
Environmental Laboratory

Definitions

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071810
Report Date: 21-Nov-23

Cooler Receipt Temp: 3.4 °C

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

G200, G207, G275, G277, G278, G279, G286, G1003, L203, and R201 could not be collected; the wells were dry. G1001 and G307 would not pump. G287, TR32, SG-02, and SG-04 could not be located/accessed.

G308 and G301DUP will be reported with collection times per field file(s). EAH 9/6/23

Due to an error in the field, G308 and X201 were recollected on 9/19/23 for Ferrous Iron and Total Iron per Ramboll's request. X201's depth measurment was also completed on 9/19/23. Resamples will be reported. EAH 9/19/23

Per Eric Bauer's request, only COF_845_101 data is included in this report. EAH 11/21/23

Locations

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

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

Collinsville Air
Address 5445 Horseshoe Lake Road, Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
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Chicago
Address 1319 Butterfield Rd., Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Accreditations

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071810
Report Date: 21-Nov-23

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2024	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-051 **Client Sample ID:** G281

Matrix: GROUNDWATER **Collection Date:** 08/14/2023 16:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.39**	ft	1	08/14/2023 16:06	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.4**	NTU	1	08/14/2023 16:06	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**102**	mV	1	08/14/2023 16:06	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1740**	µS/cm	1	08/14/2023 16:06	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.6**	°C	1	08/14/2023 16:06	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.74**	mg/L	1	08/14/2023 16:06	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.76**		1	08/14/2023 16:06	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**357**	mg/L	1	08/16/2023 13:58	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/16/2023 13:58	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**930**	mg/L	1	08/16/2023 11:41	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**268**	mg/L	10	08/30/2023 16:58	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.30**	mg/L	1	08/16/2023 12:23	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**88**	mg/L	2	08/30/2023 16:53	R335780
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**137**	mg/L	1	08/16/2023 16:52	210901
Magnesium	NELAP	0.0055	0.0500		**61.0**	mg/L	1	08/16/2023 16:52	210901
Potassium	NELAP	0.0400	0.100		**0.609**	mg/L	1	08/16/2023 16:52	210901
Sodium	NELAP	0.0180	0.0500		**90.7**	mg/L	1	08/16/2023 16:52	210901
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0008	0.0010		**< 0.0010**	mg/L	5	09/01/2023 7:26	210901
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	09/01/2023 7:26	210901
Barium	NELAP	0.0007	0.0010		**0.0707**	mg/L	5	09/07/2023 20:41	210901
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	09/01/2023 7:26	210901
Boron	NELAP	0.0092	0.0200		**< 0.0200**	mg/L	5	09/01/2023 7:26	210901
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	09/01/2023 7:26	210901
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	09/01/2023 7:26	210901
Cobalt	NELAP	0.0001	0.0010	J	**0.0004**	mg/L	5	09/01/2023 7:26	210901
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/07/2023 20:41	210901
Lithium	*	0.0015	0.0030		**0.0042**	mg/L	5	09/01/2023 7:26	210901
Molybdenum	*	0.0006	0.0015		**< 0.0015**	mg/L	5	09/01/2023 7:26	210901
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/01/2023 7:26	210901
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	09/01/2023 7:26	210901

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

Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-051 **Client Sample ID:** G281

Matrix: GROUNDWATER **Collection Date:** 08/14/2023 16:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/24/2023 19:55	211199

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-058 **Client Sample ID:** G301

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 11:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.11**	ft	1	08/09/2023 11:13	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.4**	NTU	1	08/09/2023 11:13	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-96**	mV	1	08/09/2023 11:13	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2190**	µS/cm	1	08/09/2023 11:13	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.5**	°C	1	08/09/2023 11:13	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.44**	mg/L	1	08/09/2023 11:13	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.36**		1	08/09/2023 11:13	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**141**	mg/L	1	08/17/2023 13:37	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/17/2023 13:37	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1000**	mg/L	1	08/12/2023 10:08	R334965
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**513**	mg/L	20	08/30/2023 17:40	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.31**	mg/L	1	08/14/2023 11:54	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**12**	mg/L	1	09/01/2023 14:07	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**113**	mg/L	1	08/15/2023 17:51	210812
Magnesium	NELAP	0.0055	0.0500		**42.6**	mg/L	1	08/15/2023 17:51	210812
Potassium	NELAP	0.0400	0.100		**1.77**	mg/L	1	08/15/2023 17:51	210812
Sodium	NELAP	0.0180	0.0500		**113**	mg/L	1	08/15/2023 17:51	210812
Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	08/30/2023 21:24	210812
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:24	210812
Barium	NELAP	0.0007	0.0010		**0.0152**	mg/L	5	08/30/2023 21:24	210812
Beryllium	NELAP	0.0003	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:24	210812
Boron	NELAP	0.0092	0.0200		**2.08**	mg/L	5	08/30/2023 21:24	210812
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:24	210812
Chromium	NELAP	0.0007	0.0015	J	**0.0010**	mg/L	5	08/30/2023 21:24	210812
Cobalt	NELAP	0.0004	0.0010		**0.0015**	mg/L	5	08/30/2023 21:24	210812
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:24	210812
Lithium	*	0.0015	0.0030		**0.0047**	mg/L	5	08/30/2023 21:24	210812
Molybdenum	*	0.0006	0.0015		**< 0.0015**	mg/L	5	08/30/2023 21:24	210812
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:24	210812
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/30/2023 21:24	210812
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-058 **Client Sample ID:** G301

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 11:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 17:40	210851

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-059 **Client Sample ID:** G302

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.68**	ft	1	08/09/2023 12:28	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.1**	NTU	1	08/09/2023 12:28	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-80**	mV	1	08/09/2023 12:28	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2460**	µS/cm	1	08/09/2023 12:28	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.0**	°C	1	08/09/2023 12:28	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.22**	mg/L	1	08/09/2023 12:28	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.49**		1	08/09/2023 12:28	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**474**	mg/L	1	08/17/2023 13:42	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/17/2023 13:42	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**998**	mg/L	1	08/12/2023 10:08	R334965
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**356**	mg/L	10	08/30/2023 17:54	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.28**	mg/L	1	08/14/2023 11:56	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**9**	mg/L	1	09/01/2023 14:10	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**157**	mg/L	1	08/15/2023 17:53	210812
Magnesium	NELAP	0.0055	0.0500		**65.8**	mg/L	1	08/15/2023 17:53	210812
Potassium	NELAP	0.0400	0.100		**1.58**	mg/L	1	08/15/2023 17:53	210812
Sodium	NELAP	0.0180	0.0500		**110**	mg/L	1	08/15/2023 17:53	210812
Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:30	210812
Arsenic	NELAP	0.0004	0.0010	J	**0.0010**	mg/L	5	08/30/2023 21:30	210812
Barium	NELAP	0.0007	0.0010		**0.0259**	mg/L	5	08/30/2023 21:30	210812
Beryllium	NELAP	0.0003	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:30	210812
Boron	NELAP	0.0092	0.0200		**1.93**	mg/L	5	08/30/2023 21:30	210812
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:30	210812
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/30/2023 21:30	210812
Cobalt	NELAP	0.0004	0.0010		**0.0018**	mg/L	5	08/30/2023 21:30	210812
Lead	NELAP	0.0006	0.0010	J	**0.0006**	mg/L	5	08/30/2023 21:30	210812
Lithium	*	0.0015	0.0030		**0.0111**	mg/L	5	08/30/2023 21:30	210812
Molybdenum	*	0.0006	0.0015	J	**0.0006**	mg/L	5	08/30/2023 21:30	210812
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:30	210812
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/30/2023 21:30	210812
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-059 **Client Sample ID:** G302

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 11:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 17:42	210851

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-060 **Client Sample ID:** G303

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 15:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.40**	ft	1	08/09/2023 15:26	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**43**	NTU	1	08/09/2023 15:26	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-91**	mV	1	08/09/2023 15:26	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3750**	µS/cm	1	08/09/2023 15:26	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.4**	°C	1	08/09/2023 15:26	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.18**	mg/L	1	08/09/2023 15:26	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.80**		1	08/09/2023 15:26	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**634**	mg/L	1	08/17/2023 13:51	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/17/2023 13:51	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1620**	mg/L	2.5	08/14/2023 9:15	R335033
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**723**	mg/L	20	08/30/2023 17:57	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.27**	mg/L	1	08/14/2023 12:12	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**27**	mg/L	1	09/01/2023 14:15	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**190**	mg/L	1	08/15/2023 17:54	210812
Magnesium	NELAP	0.0055	0.0500		**159**	mg/L	1	08/15/2023 17:54	210812
Potassium	NELAP	0.0400	0.100		**3.11**	mg/L	1	08/15/2023 17:54	210812
Sodium	NELAP	0.0180	0.0500		**168**	mg/L	1	08/15/2023 17:54	210812
Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:37	210812
Arsenic	NELAP	0.0004	0.0010		**0.0026**	mg/L	5	08/30/2023 21:37	210812
Barium	NELAP	0.0007	0.0010		**0.0183**	mg/L	5	08/30/2023 21:37	210812
Beryllium	NELAP	0.0003	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:37	210812
Boron	NELAP	0.0092	0.0200		**1.95**	mg/L	5	08/30/2023 21:37	210812
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:37	210812
Chromium	NELAP	0.0007	0.0015	J	**0.0014**	mg/L	5	08/30/2023 21:37	210812
Cobalt	NELAP	0.0004	0.0010		**0.0024**	mg/L	5	08/30/2023 21:37	210812
Lead	NELAP	0.0006	0.0010		**0.0011**	mg/L	5	08/30/2023 21:37	210812
Lithium	*	0.0015	0.0030		**0.0398**	mg/L	5	08/30/2023 21:37	210812
Molybdenum	*	0.0006	0.0015		**0.0020**	mg/L	5	08/30/2023 21:37	210812
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:37	210812
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/30/2023 21:37	210812
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-060 **Client Sample ID:** G303

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 15:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 17:49	210851

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-061 **Client Sample ID:** G305

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 12:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.19**	ft	1	08/10/2023 12:36	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**13**	NTU	1	08/10/2023 12:36	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-41**	mV	1	08/10/2023 12:36	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3230**	µS/cm	1	08/10/2023 12:36	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.4**	°C	1	08/10/2023 12:36	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.76**	mg/L	1	08/10/2023 12:36	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**7.30**		1	08/10/2023 12:36	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**216**	mg/L	1	08/16/2023 10:50	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/16/2023 10:50	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1580**	mg/L	1	08/15/2023 10:45	R335101
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**863**	mg/L	20	08/30/2023 18:21	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.49**	mg/L	1	08/16/2023 10:34	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**21**	mg/L	1	09/01/2023 14:18	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**188**	mg/L	1	08/16/2023 17:40	210813
Magnesium	NELAP	0.0055	0.0500		**96.5**	mg/L	1	08/16/2023 17:40	210813
Potassium	NELAP	0.0400	0.100		**0.549**	mg/L	1	08/16/2023 17:40	210813
Sodium	NELAP	0.0180	0.0500		**135**	mg/L	1	08/16/2023 17:40	210813
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0006	0.0010	J	**0.0009**	mg/L	5	09/01/2023 1:03	210813
Arsenic	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	09/01/2023 1:03	210813
Barium	NELAP	0.0007	0.0010		**0.0254**	mg/L	5	09/07/2023 22:17	210813
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:03	210813
Boron	NELAP	0.0092	0.0200		**2.66**	mg/L	5	09/01/2023 1:03	210813
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:03	210813
Chromium	NELAP	0.0007	0.0015	J	**0.0012**	mg/L	5	09/01/2023 1:03	210813
Cobalt	NELAP	0.0001	0.0010	J	**0.0006**	mg/L	5	09/01/2023 1:03	210813
Lead	NELAP	0.0006	0.0010	J	**0.0007**	mg/L	5	09/07/2023 22:17	210813
Lithium	*	0.0015	0.0030		**0.0085**	mg/L	5	09/01/2023 1:03	210813
Molybdenum	*	0.0006	0.0015		**0.0016**	mg/L	5	09/01/2023 1:03	210813
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:03	210813
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	09/01/2023 1:03	210813

Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-061 **Client Sample ID:** G305

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 12:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 17:56	210851

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-062 **Client Sample ID:** G306

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 11:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.70**	ft	1	08/10/2023 11:01	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**320**	NTU	1	08/10/2023 11:01	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**143**	mV	1	08/10/2023 11:01	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1220**	µS/cm	1	08/10/2023 11:01	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.5**	°C	1	08/10/2023 11:01	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.76**	mg/L	1	08/10/2023 11:01	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.16**		1	08/10/2023 11:01	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**276**	mg/L	1	08/16/2023 10:57	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/16/2023 10:57	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**455**	mg/L	2.5	08/15/2023 10:45	R335101
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**141**	mg/L	5	09/01/2023 13:35	R335914
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.18**	mg/L	1	08/16/2023 10:46	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**1**	mg/L	1	09/01/2023 14:23	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**81.3**	mg/L	1	08/16/2023 17:41	210813
Magnesium	NELAP	0.0055	0.0500		**31.2**	mg/L	1	08/16/2023 17:41	210813
Potassium	NELAP	0.0400	0.100		**1.43**	mg/L	1	08/16/2023 17:41	210813
Sodium	NELAP	0.0180	0.0500		**39.5**	mg/L	1	08/16/2023 17:41	210813
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0006	0.0010	J	**0.0007**	mg/L	5	09/01/2023 1:10	210813
Arsenic	NELAP	0.0004	0.0010		**0.0072**	mg/L	5	09/01/2023 1:10	210813
Barium	NELAP	0.0007	0.0010		**0.0700**	mg/L	5	09/07/2023 22:30	210813
Beryllium	NELAP	0.0002	0.0010	J	**0.0007**	mg/L	5	09/01/2023 1:10	210813
Boron	NELAP	0.0092	0.0200		**2.74**	mg/L	5	09/01/2023 1:10	210813
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:10	210813
Chromium	NELAP	0.0007	0.0015		**0.0211**	mg/L	5	09/01/2023 1:10	210813
Cobalt	NELAP	0.0001	0.0010		**0.0067**	mg/L	5	09/01/2023 1:10	210813
Lead	NELAP	0.0006	0.0010		**0.0059**	mg/L	5	09/07/2023 22:30	210813
Lithium	*	0.0015	0.0030		**0.0149**	mg/L	5	09/01/2023 1:10	210813
Molybdenum	*	0.0006	0.0015	J	**0.0014**	mg/L	5	09/01/2023 1:10	210813
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:10	210813
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	09/01/2023 1:10	210813

Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-062 **Client Sample ID:** G306

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 11:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 17:58	210851

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-064 **Client Sample ID:** G307D

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 12:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.89**	ft	1	08/10/2023 12:12	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**20**	NTU	1	08/10/2023 12:12	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-70**	mV	1	08/10/2023 12:12	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2580**	µS/cm	1	08/10/2023 12:12	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.8**	°C	1	08/10/2023 12:12	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.79**	mg/L	1	08/10/2023 12:12	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**7.17**		1	08/10/2023 12:12	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**186**	mg/L	1	08/16/2023 11:04	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/16/2023 11:04	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1080**	mg/L	2.5	08/15/2023 10:46	R335101
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**589**	mg/L	20	08/30/2023 18:36	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.60**	mg/L	1	08/16/2023 10:47	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**14**	mg/L	1	09/01/2023 14:31	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**136**	mg/L	1	08/16/2023 17:42	210813
Magnesium	NELAP	0.0055	0.0500		**61.4**	mg/L	1	08/16/2023 17:42	210813
Potassium	NELAP	0.0400	0.100		**0.695**	mg/L	1	08/16/2023 17:42	210813
Sodium	NELAP	0.0180	0.0500		**99.8**	mg/L	1	08/16/2023 17:42	210813
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0006	0.0010	J	**0.0008**	mg/L	5	09/01/2023 1:16	210813
Arsenic	NELAP	0.0004	0.0010		**0.0019**	mg/L	5	09/01/2023 1:16	210813
Barium	NELAP	0.0007	0.0010		**0.0217**	mg/L	5	09/07/2023 23:02	210813
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:16	210813
Boron	NELAP	0.0092	0.0200		**2.54**	mg/L	5	09/01/2023 1:16	210813
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:16	210813
Chromium	NELAP	0.0007	0.0015	J	**0.0010**	mg/L	5	09/01/2023 1:16	210813
Cobalt	NELAP	0.0001	0.0010	J	**0.0009**	mg/L	5	09/01/2023 1:16	210813
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/07/2023 23:02	210813
Lithium	*	0.0015	0.0030		**0.0032**	mg/L	5	09/01/2023 1:16	210813
Molybdenum	*	0.0006	0.0015		**0.0054**	mg/L	5	09/01/2023 1:16	210813
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:16	210813
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	09/01/2023 1:16	210813

Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-064 **Client Sample ID:** G307D

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 12:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 18:00	210851

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-065 **Client Sample ID:** G308

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 13:00

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	08/10/2023 13:00	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.0**	NTU	1	08/10/2023 13:00	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-3**	mV	1	08/10/2023 13:00	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3500**	µS/cm	1	08/10/2023 13:00	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.2**	°C	1	08/10/2023 13:00	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.49**	mg/L	1	08/10/2023 13:00	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**7.26**		1	08/10/2023 13:00	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**252**	mg/L	1	08/16/2023 11:11	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/16/2023 11:11	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1760**	mg/L	1	08/15/2023 11:10	R335101
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**996**	mg/L	20	08/30/2023 18:45	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.64**	mg/L	1	08/16/2023 10:49	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**10**	mg/L	1	09/01/2023 14:50	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**196**	mg/L	1	08/16/2023 17:42	210813
Magnesium	NELAP	0.0055	0.0500		**115**	mg/L	1	08/16/2023 17:42	210813
Potassium	NELAP	0.0400	0.100		**0.460**	mg/L	1	08/16/2023 17:42	210813
Sodium	NELAP	0.0180	0.0500		**152**	mg/L	1	08/16/2023 17:42	210813
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:23	210813
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	09/01/2023 1:23	210813
Barium	NELAP	0.0007	0.0010		**0.0222**	mg/L	5	09/07/2023 23:08	210813
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:23	210813
Boron	NELAP	0.0092	0.0200		**2.64**	mg/L	5	09/01/2023 1:23	210813
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:23	210813
Chromium	NELAP	0.0007	0.0015	J	**0.0009**	mg/L	5	09/01/2023 1:23	210813
Cobalt	NELAP	0.0001	0.0010	J	**0.0004**	mg/L	5	09/01/2023 1:23	210813
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/07/2023 23:08	210813
Lithium	*	0.0015	0.0030		**0.0077**	mg/L	5	09/01/2023 1:23	210813
Molybdenum	*	0.0006	0.0015		**0.0016**	mg/L	5	09/01/2023 1:23	210813
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:23	210813
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	09/01/2023 1:23	210813

Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-065 **Client Sample ID:** G308

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 13:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 18:02	210851

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23
Lab ID: 23071810-066
Client Sample ID: G309
Matrix: GROUNDWATER
Collection Date: 08/08/2023 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.04**	ft	1	08/08/2023 11:24	R335486

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-067 **Client Sample ID:** G310

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.30**	ft	1	08/09/2023 10:36	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.1**	NTU	1	08/09/2023 10:36	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**99**	mV	1	08/09/2023 10:36	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2640**	µS/cm	1	08/09/2023 10:36	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.5**	°C	1	08/09/2023 10:36	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.48**	mg/L	1	08/09/2023 10:36	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.78**		1	08/09/2023 10:36	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**244**	mg/L	1	08/17/2023 14:00	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/17/2023 14:00	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1160**	mg/L	1	08/14/2023 9:16	R335033
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**611**	mg/L	20	08/30/2023 18:52	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.32**	mg/L	1	08/14/2023 12:14	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**14**	mg/L	1	09/01/2023 14:53	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**158**	mg/L	1	08/15/2023 17:56	210812
Magnesium	NELAP	0.0055	0.0500		**52.6**	mg/L	1	08/15/2023 17:56	210812
Potassium	NELAP	0.0400	0.100		**0.342**	mg/L	1	08/15/2023 17:56	210812
Sodium	NELAP	0.0180	0.0500		**144**	mg/L	1	08/15/2023 17:56	210812
Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:43	210812
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:43	210812
Barium	NELAP	0.0007	0.0010		**0.0147**	mg/L	5	08/30/2023 21:43	210812
Beryllium	NELAP	0.0003	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:43	210812
Boron	NELAP	0.0092	0.0200		**1.95**	mg/L	5	08/30/2023 21:43	210812
Cadmium	NELAP	0.0002	0.0010	J	**0.0002**	mg/L	5	08/30/2023 21:43	210812
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/30/2023 21:43	210812
Cobalt	NELAP	0.0004	0.0010		**0.0013**	mg/L	5	08/30/2023 21:43	210812
Lead	NELAP	0.0006	0.0010	J	**0.0006**	mg/L	5	08/30/2023 21:43	210812
Lithium	*	0.0015	0.0030		**0.0060**	mg/L	5	08/30/2023 21:43	210812
Molybdenum	*	0.0006	0.0015		**< 0.0015**	mg/L	5	08/30/2023 21:43	210812
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:43	210812
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/30/2023 21:43	210812
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-067 **Client Sample ID:** G310

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 18:09	210857

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-068 **Client Sample ID:** G312

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 12:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**14.00**	ft	1	08/09/2023 12:28	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.2**	NTU	1	08/09/2023 12:28	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**3**	mV	1	08/09/2023 12:28	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3870**	µS/cm	1	08/09/2023 12:28	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.6**	°C	1	08/09/2023 12:28	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.53**	mg/L	1	08/09/2023 12:28	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.10**		1	08/09/2023 12:28	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**566**	mg/L	1	08/17/2023 14:07	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/17/2023 14:07	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2010**	mg/L	1	08/14/2023 9:16	R335033
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**965**	mg/L	20	08/30/2023 19:17	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.22**	mg/L	1	08/14/2023 12:16	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**31**	mg/L	1	09/01/2023 14:58	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**242**	mg/L	1	08/15/2023 18:07	210812
Magnesium	NELAP	0.0055	0.0500		**176**	mg/L	1	08/15/2023 18:07	210812
Potassium	NELAP	0.0400	0.100		**0.850**	mg/L	1	08/15/2023 18:07	210812
Sodium	NELAP	0.0180	0.0500		**139**	mg/L	1	08/15/2023 18:07	210812
Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:49	210812
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	08/30/2023 21:49	210812
Barium	NELAP	0.0007	0.0010		**0.0306**	mg/L	5	08/30/2023 21:49	210812
Beryllium	NELAP	0.0003	0.0010	J	**0.0003**	mg/L	5	08/30/2023 21:49	210812
Boron	NELAP	0.0092	0.0200		**3.51**	mg/L	5	08/30/2023 21:49	210812
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:49	210812
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/30/2023 21:49	210812
Cobalt	NELAP	0.0004	0.0010		**0.0046**	mg/L	5	08/30/2023 21:49	210812
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:49	210812
Lithium	*	0.0015	0.0030		**0.0180**	mg/L	5	08/30/2023 21:49	210812
Molybdenum	*	0.0060	0.0150		**< 0.0150**	mg/L	50	09/13/2023 20:11	210812
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:49	210812
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/30/2023 21:49	210812

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-068 **Client Sample ID:** G312

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 12:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Elevated reporting limit due to matrix interference.									
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									
Results for Mn are estimated due to sample result being outside the calibration range.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 18:16	210857

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-069 **Client Sample ID:** G313

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 14:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**3.01**	ft	1	08/09/2023 14:12	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.3**	NTU	1	08/09/2023 14:12	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-36**	mV	1	08/09/2023 14:12	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3380**	µS/cm	1	08/09/2023 14:12	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.1**	°C	1	08/09/2023 14:12	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.44**	mg/L	1	08/09/2023 14:12	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.68**		1	08/09/2023 14:12	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**501**	mg/L	1	08/17/2023 14:15	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/17/2023 14:15	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1500**	mg/L	1	08/14/2023 10:22	R335033
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**667**	mg/L	20	08/30/2023 19:24	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.32**	mg/L	1	08/14/2023 12:18	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**22**	mg/L	1	09/01/2023 15:01	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**200**	mg/L	1	08/15/2023 18:08	210812
Magnesium	NELAP	0.0055	0.0500		**106**	mg/L	1	08/15/2023 18:08	210812
Potassium	NELAP	0.0400	0.100		**1.20**	mg/L	1	08/15/2023 18:08	210812
Sodium	NELAP	0.0180	0.0500		**153**	mg/L	1	08/15/2023 18:08	210812
Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:56	210812
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	08/30/2023 21:56	210812
Barium	NELAP	0.0007	0.0010		**0.0193**	mg/L	5	08/30/2023 21:56	210812
Beryllium	NELAP	0.0003	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:56	210812
Boron	NELAP	0.0092	0.0200		**3.63**	mg/L	5	08/30/2023 21:56	210812
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:56	210812
Chromium	NELAP	0.0007	0.0015	J	**0.0008**	mg/L	5	08/30/2023 21:56	210812
Cobalt	NELAP	0.0004	0.0010	J	**0.0008**	mg/L	5	08/30/2023 21:56	210812
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:56	210812
Lithium	*	0.0015	0.0030		**0.0181**	mg/L	5	08/30/2023 21:56	210812
Molybdenum	*	0.0006	0.0015	J	**0.0012**	mg/L	5	08/30/2023 21:56	210812
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 21:56	210812
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/30/2023 21:56	210812
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-069 **Client Sample ID:** G313

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 14:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 18:18	210857

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-070 **Client Sample ID:** G314

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 14:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.88**	ft	1	08/09/2023 14:33	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.2**	NTU	1	08/09/2023 14:33	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-41**	mV	1	08/09/2023 14:33	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**6680**	µS/cm	1	08/09/2023 14:33	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.7**	°C	1	08/09/2023 14:33	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.45**	mg/L	1	08/09/2023 14:33	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.39**		1	08/09/2023 14:33	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**710**	mg/L	1	08/17/2023 14:24	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/17/2023 14:24	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**3780**	mg/L	2.5	08/14/2023 10:22	R335033
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**2070**	mg/L	50	08/30/2023 19:38	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.21**	mg/L	1	08/14/2023 12:20	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**31**	mg/L	1	09/01/2023 15:06	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**631**	mg/L	1	08/15/2023 18:10	210812
Magnesium	NELAP	0.0055	0.0500		**295**	mg/L	1	08/15/2023 18:10	210812
Potassium	NELAP	0.0400	0.100		**4.06**	mg/L	1	08/15/2023 18:10	210812
Sodium	NELAP	0.0180	0.0500		**136**	mg/L	1	08/15/2023 18:10	210812
Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010		**0.0011**	mg/L	5	08/30/2023 22:47	210812
Arsenic	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	08/30/2023 22:47	210812
Barium	NELAP	0.0007	0.0010		**0.0183**	mg/L	5	08/30/2023 22:47	210812
Beryllium	NELAP	0.0003	0.0010		**< 0.0010**	mg/L	5	08/30/2023 22:47	210812
Boron	NELAP	0.0092	0.0200		**0.130**	mg/L	5	08/30/2023 22:47	210812
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/30/2023 22:47	210812
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/30/2023 22:47	210812
Cobalt	NELAP	0.0004	0.0010		**0.0078**	mg/L	5	08/30/2023 22:47	210812
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 22:47	210812
Lithium	*	0.0015	0.0030		**0.0056**	mg/L	5	08/30/2023 22:47	210812
Molybdenum	*	0.0006	0.0015		**0.0021**	mg/L	5	08/30/2023 22:47	210812
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 22:47	210812
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/30/2023 22:47	210812
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-070 **Client Sample ID:** G314

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 14:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 18:20	210857

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-071 **Client Sample ID:** G314D

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 14:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.78**	ft	1	08/09/2023 14:53	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.6**	NTU	1	08/09/2023 14:53	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-45**	mV	1	08/09/2023 14:53	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**5230**	µS/cm	1	08/09/2023 14:53	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.1**	°C	1	08/09/2023 14:53	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.64**	mg/L	1	08/09/2023 14:53	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.80**		1	08/09/2023 14:53	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**719**	mg/L	1	08/17/2023 14:33	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/17/2023 14:33	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**2380**	mg/L	2.5	08/14/2023 10:22	R335033
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**1090**	mg/L	50	08/30/2023 19:46	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.65**	mg/L	1	08/14/2023 12:23	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**63**	mg/L	2	09/01/2023 15:09	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**274**	mg/L	1	08/15/2023 18:12	210812
Magnesium	NELAP	0.0055	0.0500		**94.3**	mg/L	1	08/15/2023 18:12	210812
Potassium	NELAP	0.0400	0.100		**3.54**	mg/L	1	08/15/2023 18:12	210812
Sodium	NELAP	0.0180	0.0500		**436**	mg/L	1	08/15/2023 18:12	210812
Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0007**	mg/L	5	08/30/2023 22:53	210812
Arsenic	NELAP	0.0004	0.0010		**0.0013**	mg/L	5	08/30/2023 22:53	210812
Barium	NELAP	0.0007	0.0010		**0.0351**	mg/L	5	08/30/2023 22:53	210812
Beryllium	NELAP	0.0003	0.0010		**< 0.0010**	mg/L	5	08/30/2023 22:53	210812
Boron	NELAP	0.0092	0.0200		**0.190**	mg/L	5	08/30/2023 22:53	210812
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/30/2023 22:53	210812
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/30/2023 22:53	210812
Cobalt	NELAP	0.0004	0.0010		**0.0036**	mg/L	5	08/30/2023 22:53	210812
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 22:53	210812
Lithium	*	0.0015	0.0030		**0.0122**	mg/L	5	08/30/2023 22:53	210812
Molybdenum	*	0.0006	0.0015		**0.0045**	mg/L	5	08/30/2023 22:53	210812
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 22:53	210812
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/30/2023 22:53	210812
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-071 **Client Sample ID:** G314D

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 14:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 18:27	210857

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-072 **Client Sample ID:** G315

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 11:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**3.50**	ft	1	08/10/2023 11:29	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.2**	NTU	1	08/10/2023 11:29	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**98**	mV	1	08/10/2023 11:29	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2600**	µS/cm	1	08/10/2023 11:29	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.1**	°C	1	08/10/2023 11:29	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.81**	mg/L	1	08/10/2023 11:29	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.69**		1	08/10/2023 11:29	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**240**	mg/L	1	08/16/2023 11:26	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/16/2023 11:26	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1190**	mg/L	1	08/15/2023 11:10	R335101
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**603**	mg/L	20	08/30/2023 19:48	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.30**	mg/L	1	08/16/2023 10:51	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**14**	mg/L	1	09/01/2023 15:14	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**147**	mg/L	1	08/16/2023 17:43	210813
Magnesium	NELAP	0.0055	0.0500		**66.6**	mg/L	1	08/16/2023 17:43	210813
Potassium	NELAP	0.0400	0.100		**0.299**	mg/L	1	08/16/2023 17:43	210813
Sodium	NELAP	0.0180	0.0500		**117**	mg/L	1	08/16/2023 17:43	210813
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:29	210813
Arsenic	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	09/01/2023 1:29	210813
Barium	NELAP	0.0007	0.0010		**0.0175**	mg/L	5	09/07/2023 23:14	210813
Beryllium	NELAP	0.0002	0.0010	J	**0.0006**	mg/L	5	09/01/2023 1:29	210813
Boron	NELAP	0.0092	0.0200		**1.68**	mg/L	5	09/01/2023 1:29	210813
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:29	210813
Chromium	NELAP	0.0007	0.0015	J	**0.0007**	mg/L	5	09/01/2023 1:29	210813
Cobalt	NELAP	0.0001	0.0010		**0.0014**	mg/L	5	09/01/2023 1:29	210813
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/07/2023 23:14	210813
Lithium	*	0.0015	0.0030		**0.0066**	mg/L	5	09/01/2023 1:29	210813
Molybdenum	*	0.0006	0.0015	J	**0.0006**	mg/L	5	09/01/2023 1:29	210813
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/01/2023 1:29	210813
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	09/01/2023 1:29	210813

Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-072 **Client Sample ID:** G315

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 11:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 18:29	210857

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-073 **Client Sample ID:** G316

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 13:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.70**	ft	1	08/09/2023 13:43	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.9**	NTU	1	08/09/2023 13:43	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-114**	mV	1	08/09/2023 13:43	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**3740**	µS/cm	1	08/09/2023 13:43	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.1**	°C	1	08/09/2023 13:43	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.53**	mg/L	1	08/09/2023 13:43	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.73**		1	08/09/2023 13:43	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**646**	mg/L	1	08/17/2023 14:42	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/17/2023 14:42	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1620**	mg/L	2.5	08/14/2023 10:23	R335033
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**662**	mg/L	20	08/30/2023 20:13	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.28**	mg/L	1	08/14/2023 12:34	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**26**	mg/L	1	09/01/2023 15:17	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**203**	mg/L	1	08/15/2023 18:13	210812
Magnesium	NELAP	0.0055	0.0500		**165**	mg/L	1	08/15/2023 18:13	210812
Potassium	NELAP	0.0400	0.100		**2.41**	mg/L	1	08/15/2023 18:13	210812
Sodium	NELAP	0.0180	0.0500		**108**	mg/L	1	08/15/2023 18:13	210812
Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	08/30/2023 23:00	210812
Arsenic	NELAP	0.0004	0.0010		**0.0095**	mg/L	5	08/30/2023 23:00	210812
Barium	NELAP	0.0007	0.0010		**0.0743**	mg/L	5	08/30/2023 23:00	210812
Beryllium	NELAP	0.0003	0.0010		**< 0.0010**	mg/L	5	08/30/2023 23:00	210812
Boron	NELAP	0.0092	0.0200		**0.441**	mg/L	5	08/30/2023 23:00	210812
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/30/2023 23:00	210812
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	08/30/2023 23:00	210812
Cobalt	NELAP	0.0004	0.0010		**0.0028**	mg/L	5	08/30/2023 23:00	210812
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 23:00	210812
Lithium	*	0.0015	0.0030	J	**0.0017**	mg/L	5	08/30/2023 23:00	210812
Molybdenum	*	0.0006	0.0015		**0.0044**	mg/L	5	08/30/2023 23:00	210812
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 23:00	210812
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/30/2023 23:00	210812
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-073 **Client Sample ID:** G316

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 13:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 18:32	210857

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23
Lab ID: 23071810-099
Client Sample ID: SG-03
Matrix: GROUNDWATER
Collection Date: 08/08/2023 12:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.65**	ft	1	08/08/2023 12:04	R335486

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23
Lab ID: 23071810-106
Client Sample ID: XSG-01
Matrix: GROUNDWATER
Collection Date: 08/08/2023 12:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.25**	ft	1	08/08/2023 12:19	R335486

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-107 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 08/15/2023 10:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**2**	mg/L	1	08/17/2023 13:33	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/17/2023 13:33	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	08/16/2023 12:39	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10	J	**7**	mg/L	1	08/30/2023 23:33	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10	J	**0.06**	mg/L	1	08/16/2023 14:38	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	08/30/2023 23:34	R335780
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.042**	mg/L	1	08/17/2023 10:29	210926
Magnesium	NELAP	0.0055	0.0500		**< 0.0500**	mg/L	1	08/18/2023 15:59	210926
Potassium	NELAP	0.0400	0.100		**< 0.100**	mg/L	1	08/17/2023 10:29	210926
Sodium	NELAP	0.018	0.050	J	**0.030**	mg/L	1	08/17/2023 10:29	210926
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0008	0.0010		**< 0.0010**	mg/L	5	08/30/2023 12:36	210926
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	09/13/2023 22:48	210926
Barium	NELAP	0.0007	0.0010		**< 0.0010**	mg/L	5	09/13/2023 22:48	210926
Beryllium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	09/13/2023 22:48	210926
Boron	NELAP	0.0092	0.0200		**0.104**	mg/L	5	09/11/2023 12:58	210926
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	09/13/2023 22:48	210926
Chromium	NELAP	0.0007	0.0015		**< 0.0015**	mg/L	5	09/13/2023 22:48	210926
Cobalt	NELAP	0.0001	0.0010		**< 0.0010**	mg/L	5	08/30/2023 12:36	210926
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	09/13/2023 22:48	210926
Lithium	*	0.0015	0.0030		**< 0.0030**	mg/L	5	08/30/2023 12:36	210926
Molybdenum	*	0.0006	0.0015		**< 0.0015**	mg/L	5	09/13/2023 22:48	210926
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 12:36	210926
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/30/2023 12:36	210926
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/24/2023 11:44	211205

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-111 **Client Sample ID:** G301 Duplicate

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 11:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.11**	ft	1	08/09/2023 11:13	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.4**	NTU	1	08/09/2023 11:13	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-96**	mV	1	08/09/2023 11:13	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2190**	µS/cm	1	08/09/2023 11:13	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.5**	°C	1	08/09/2023 11:13	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.44**	mg/L	1	08/09/2023 11:13	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		**6.36**		1	08/09/2023 11:13	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**158**	mg/L	1	08/17/2023 14:51	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/17/2023 14:51	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**962**	mg/L	1	08/14/2023 11:45	R335033
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**534**	mg/L	20	08/31/2023 0:12	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.28**	mg/L	1	08/14/2023 12:41	R334963
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**13**	mg/L	1	09/01/2023 16:02	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		**116**	mg/L	1	08/15/2023 18:30	210812
Magnesium	NELAP	0.0055	0.0500		**44.0**	mg/L	1	08/15/2023 18:30	210812
Potassium	NELAP	0.0400	0.100		**1.78**	mg/L	1	08/15/2023 18:30	210812
Sodium	NELAP	0.0180	0.0500		**115**	mg/L	1	08/15/2023 18:30	210812
Sample result(s) for Si exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	**0.0005**	mg/L	5	08/30/2023 23:12	210812
Arsenic	NELAP	0.0004	0.0010		**< 0.0010**	mg/L	5	08/30/2023 23:12	210812
Barium	NELAP	0.0007	0.0010		**0.0167**	mg/L	5	08/30/2023 23:12	210812
Beryllium	NELAP	0.0003	0.0010		**< 0.0010**	mg/L	5	08/30/2023 23:12	210812
Boron	NELAP	0.0092	0.0200		**2.15**	mg/L	5	08/30/2023 23:12	210812
Cadmium	NELAP	0.0002	0.0010		**< 0.0010**	mg/L	5	08/30/2023 23:12	210812
Chromium	NELAP	0.0007	0.0015	J	**0.0007**	mg/L	5	08/30/2023 23:12	210812
Cobalt	NELAP	0.0004	0.0010		**0.0016**	mg/L	5	08/30/2023 23:12	210812
Lead	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 23:12	210812
Lithium	*	0.0015	0.0030		**0.0045**	mg/L	5	08/30/2023 23:12	210812
Molybdenum	*	0.0006	0.0015		**< 0.0015**	mg/L	5	08/30/2023 23:12	210812
Selenium	NELAP	0.0006	0.0010		**< 0.0010**	mg/L	5	08/30/2023 23:12	210812
Thallium	NELAP	0.0010	0.0020		**< 0.0020**	mg/L	5	08/30/2023 23:12	210812
Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.									

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Lab ID: 23071810-111 **Client Sample ID:** G301 Duplicate

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 11:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	08/15/2023 19:30	210858

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071810
Report Date: 21-Nov-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23071810-051	G281	Groundwater	7	08/14/2023 16:06
23071810-058	G301	Groundwater	6	08/09/2023 11:13
23071810-059	G302	Groundwater	6	08/09/2023 11:55
23071810-060	G303	Groundwater	6	08/09/2023 15:26
23071810-061	G305	Groundwater	6	08/10/2023 12:36
23071810-062	G306	Groundwater	6	08/10/2023 11:01
23071810-063	G307	Groundwater	6	08/10/2023 0:00
23071810-064	G307D	Groundwater	6	08/10/2023 12:12
23071810-065	G308	Groundwater	6	08/10/2023 13:00
23071810-066	G309	Groundwater	1	08/08/2023 11:24
23071810-067	G310	Groundwater	6	08/09/2023 10:36
23071810-068	G312	Groundwater	6	08/09/2023 12:28
23071810-069	G313	Groundwater	6	08/09/2023 14:12
23071810-070	G314	Groundwater	6	08/09/2023 14:33
23071810-071	G314D	Groundwater	6	08/09/2023 14:53
23071810-072	G315	Groundwater	6	08/10/2023 11:29
23071810-073	G316	Groundwater	6	08/09/2023 13:43
23071810-074	G317	Groundwater	1	08/08/2023 13:45
23071810-098	SG-02	Groundwater	1	08/08/2023 0:00
23071810-099	SG-03	Groundwater	1	08/08/2023 12:04
23071810-106	XSG-01	Groundwater	1	08/08/2023 12:19
23071810-107	Field Blank	Aqueous	8	08/15/2023 10:35
23071810-111	G301 Duplicate	Groundwater	6	08/09/2023 11:13

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
23071810-051A	G281	08/14/2023 16:06	08/14/2023 18:10		
	Ferrous Iron by CHEMets Kit				08/14/2023 16:06
	Field Elevation Measurements				08/14/2023 16:06
	Standard Methods 2130 B Field				08/14/2023 16:06
	Standard Methods 18th Ed. 2580 B Field				08/14/2023 16:06
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 13:58
	Standard Methods 2320 B 1997, 2011				08/16/2023 13:58
	Standard Methods 2510 B Field				08/14/2023 16:06
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 11:41
	Standard Methods 2550 B Field				08/14/2023 16:06
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 16:29
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 13:26
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-O G Field				08/14/2023 16:06
	Standard Methods 4500-P E 1999				08/15/2023 12:47
	Standard Methods 4500-P E 1999, 2011				08/15/2023 13:35
	SW-846 9036 (Total)				08/30/2023 16:58
	SW-846 9040B Field				08/14/2023 16:06
	SW-846 9214 (Total)				08/16/2023 12:23
	SW-846 9251 (Total)				08/30/2023 16:53
23071810-051B	G281	08/14/2023 16:06	08/14/2023 18:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 9:52
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 9:52
	Standard Methods 2550 B Field				08/14/2023 16:06
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 16:32
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/15/2023 14:19
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/15/2023 13:37
	Standard Methods 4500-P E (Dissolved) 1999				08/15/2023 12:47
	SW-846 9036 (Dissolved)				08/23/2023 17:18
	SW-846 9251 (Dissolved)				08/23/2023 17:13
23071810-051C	G281	08/14/2023 16:06	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 11:12	08/16/2023 16:52
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/01/2023 7:26
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/07/2023 20:41
	SW-846 7470A (Total)			08/22/2023 13:22	08/24/2023 19:55
23071810-051D	G281	08/14/2023 16:06	08/14/2023 18:10		

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 11:21	08/16/2023 17:22
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/01/2023 18:59
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 5:35
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 21:42
23071810-051E	G281	08/14/2023 16:06	08/14/2023 18:10		
	SW-846 9012A (Total)			08/15/2023 20:13	08/16/2023 9:52
23071810-051F	G281	08/14/2023 16:06	08/14/2023 18:10		
	SW-846 9060A				09/05/2023 18:47
23071810-051G	G281	08/14/2023 16:06	08/14/2023 18:10		
	SW-846 9060A				08/29/2023 0:55
23071810-058A	G301	08/09/2023 11:13	08/09/2023 17:52		
	Ferrous Iron by CHEMets Kit				08/09/2023 11:13
	Field Elevation Measurements				08/09/2023 11:13
	Standard Methods 2130 B Field				08/09/2023 11:13
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 11:13
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 13:37
	Standard Methods 2320 B 1997, 2011				08/17/2023 13:37
	Standard Methods 2510 B Field				08/09/2023 11:13
	Standard Methods 2540 C (Total) 1997, 2011				08/12/2023 10:08
	Standard Methods 2550 B Field				08/09/2023 11:13
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/10/2023 16:47
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:11
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:11
	Standard Methods 4500-O G Field				08/09/2023 11:13
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/10/2023 13:26
	SW-846 9036 (Total)				08/30/2023 17:40
	SW-846 9040B Field				08/09/2023 11:13
	SW-846 9214 (Total)				08/14/2023 11:54
	SW-846 9251 (Total)				09/01/2023 14:07
23071810-058B	G301	08/09/2023 11:13	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 13:07
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 13:07
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:40
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:00
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:00
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/10/2023 13:27

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 12:45
	SW-846 9251 (Dissolved)				08/23/2023 18:15
23071810-058C	G301	08/09/2023 11:13	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/15/2023 17:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	08/30/2023 21:24
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	09/13/2023 18:55
	SW-846 7470A (Total)			08/14/2023 16:33	08/15/2023 17:40
23071810-058D	G301	08/09/2023 11:13	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 12:00	08/15/2023 17:07
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 15:51
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 15:56
23071810-058E	G301	08/09/2023 11:13	08/09/2023 17:52		
	SW-846 9060A				09/05/2023 19:23
23071810-058F	G301	08/09/2023 11:13	08/09/2023 17:52		
	SW-846 9060A				08/29/2023 1:19
23071810-059A	G302	08/09/2023 11:55	08/09/2023 17:52		
	Ferrous Iron by CHEMets Kit				08/09/2023 12:28
	Field Elevation Measurements				08/09/2023 12:28
	Standard Methods 2130 B Field				08/09/2023 12:28
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 12:28
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 13:42
	Standard Methods 2320 B 1997, 2011				08/17/2023 13:42
	Standard Methods 2510 B Field				08/09/2023 12:28
	Standard Methods 2540 C (Total) 1997, 2011				08/12/2023 10:08
	Standard Methods 2550 B Field				08/09/2023 12:28
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/10/2023 16:47
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:26
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:26
	Standard Methods 4500-O G Field				08/09/2023 12:28
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/10/2023 13:27
	SW-846 9036 (Total)				08/30/2023 17:54
	SW-846 9040B Field				08/09/2023 12:28
	SW-846 9214 (Total)				08/14/2023 11:56
	SW-846 9251 (Total)				09/01/2023 14:10
23071810-059B	G302	08/09/2023 11:55	08/09/2023 17:52		

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 13:13
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 13:13
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:40
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:03
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:03
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/10/2023 13:28
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/23/2023 18:43
	SW-846 9251 (Dissolved)				08/23/2023 18:39
23071810-059C	G302	08/09/2023 11:55	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/15/2023 17:53
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	08/30/2023 21:30
	SW-846 7470A (Total)			08/14/2023 16:33	08/15/2023 17:42
23071810-059D	G302	08/09/2023 11:55	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 12:00	08/15/2023 17:08
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 16:02
23071810-059E	G302	08/09/2023 11:55	08/09/2023 17:52		
	SW-846 9060A				09/05/2023 19:31
23071810-059F	G302	08/09/2023 11:55	08/09/2023 17:52		
	SW-846 9060A				08/29/2023 1:55
23071810-060A	G303	08/09/2023 15:26	08/09/2023 17:52		
	Ferrous Iron by CHEMets Kit				08/09/2023 15:26
	Field Elevation Measurements				08/09/2023 15:26
	Standard Methods 2130 B Field				08/09/2023 15:26
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 15:26
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 13:51
	Standard Methods 2320 B 1997, 2011				08/17/2023 13:51
	Standard Methods 2510 B Field				08/09/2023 15:26
	Standard Methods 2540 C (Total) 1997, 2011				08/14/2023 9:15
	Standard Methods 2550 B Field				08/09/2023 15:26
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/10/2023 16:48
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:28
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:28
	Standard Methods 4500-O G Field				08/09/2023 15:26
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/10/2023 13:29
	SW-846 9036 (Total)				08/30/2023 17:57

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 9040B Field				08/09/2023 15:26
	SW-846 9214 (Total)				08/14/2023 12:12
	SW-846 9251 (Total)				09/01/2023 14:15
23071810-060B	G303	08/09/2023 15:26	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 13:20
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 13:20
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:41
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:18
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:18
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/10/2023 13:29
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 12:53
	SW-846 9251 (Dissolved)				08/23/2023 18:47
23071810-060C	G303	08/09/2023 15:26	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/15/2023 17:54
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	08/30/2023 21:37
	SW-846 7470A (Total)			08/14/2023 16:33	08/15/2023 17:49
23071810-060D	G303	08/09/2023 15:26	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 12:00	08/15/2023 17:10
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 16:07
23071810-060E	G303	08/09/2023 15:26	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 21:51
23071810-060F	G303	08/09/2023 15:26	08/09/2023 17:52		
	SW-846 9060A				08/29/2023 2:01
23071810-061A	G305	08/10/2023 12:36	08/10/2023 17:30		
	Ferrous Iron by CHEMets Kit				08/10/2023 12:36
	Field Elevation Measurements				08/10/2023 12:36
	Standard Methods 2130 B Field				08/10/2023 12:36
	Standard Methods 18th Ed. 2580 B Field				08/10/2023 12:36
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 10:50
	Standard Methods 2320 B 1997, 2011				08/16/2023 10:50
	Standard Methods 2510 B Field				08/10/2023 12:36
	Standard Methods 2540 C (Total) 1997, 2011				08/15/2023 10:45
	Standard Methods 2550 B Field				08/10/2023 12:36
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/11/2023 17:38
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/11/2023 14:15
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/11/2023 14:15

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 4500-O G Field				08/10/2023 12:36
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/11/2023 13:43
	SW-846 9036 (Total)				08/30/2023 18:21
	SW-846 9040B Field				08/10/2023 12:36
	SW-846 9214 (Total)				08/16/2023 10:34
	SW-846 9251 (Total)				09/01/2023 14:18
23071810-061B	G305	08/10/2023 12:36	08/10/2023 17:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 10:35
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 10:35
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/11/2023 17:38
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 13:02
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 13:02
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/11/2023 13:44
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 13:00
	SW-846 9251 (Dissolved)				08/23/2023 18:55
23071810-061C	G305	08/10/2023 12:36	08/10/2023 17:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:50	08/16/2023 17:40
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:50	09/01/2023 1:03
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:50	09/07/2023 22:17
	SW-846 7470A (Total)			08/14/2023 16:33	08/15/2023 17:56
23071810-061D	G305	08/10/2023 12:36	08/10/2023 17:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 12:00	08/15/2023 17:20
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 16:12
23071810-061E	G305	08/10/2023 12:36	08/10/2023 17:30		
	SW-846 9060A				08/31/2023 0:00
23071810-061F	G305	08/10/2023 12:36	08/10/2023 17:30		
	SW-846 9060A				08/29/2023 2:38
23071810-062A	G306	08/10/2023 11:01	08/10/2023 17:30		
	Ferrous Iron by CHEMets Kit				08/10/2023 11:01
	Field Elevation Measurements				08/10/2023 11:01
	Standard Methods 2130 B Field				08/10/2023 11:01
	Standard Methods 18th Ed. 2580 B Field				08/10/2023 11:01
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 10:57
	Standard Methods 2320 B 1997, 2011				08/16/2023 10:57
	Standard Methods 2510 B Field				08/10/2023 11:01

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2540 C (Total) 1997, 2011				08/15/2023 10:45
	Standard Methods 2550 B Field				08/10/2023 11:01
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/11/2023 17:39
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/11/2023 14:17
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/11/2023 14:17
	Standard Methods 4500-O G Field				08/10/2023 11:01
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/11/2023 14:24
	SW-846 9036 (Total)				09/01/2023 13:35
	SW-846 9040B Field				08/10/2023 11:01
	SW-846 9214 (Total)				08/16/2023 10:46
	SW-846 9251 (Total)				09/01/2023 14:23
23071810-062B	G306	08/10/2023 11:01	08/10/2023 17:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 10:42
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 10:42
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/11/2023 17:39
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 13:04
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 13:04
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/11/2023 13:47
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/30/2023 13:17
	SW-846 9251 (Dissolved)				08/29/2023 13:25
23071810-062C	G306	08/10/2023 11:01	08/10/2023 17:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:50	08/16/2023 17:41
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:50	09/01/2023 1:10
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:50	09/07/2023 22:23
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:50	09/07/2023 22:30
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:50	09/08/2023 16:12
	SW-846 7470A (Total)			08/14/2023 16:33	08/15/2023 17:58
23071810-062D	G306	08/10/2023 11:01	08/10/2023 17:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 12:00	08/15/2023 17:22
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 16:18
23071810-062E	G306	08/10/2023 11:01	08/10/2023 17:30		
	SW-846 9060A				08/31/2023 22:02
23071810-062F	G306	08/10/2023 11:01	08/10/2023 17:30		
	SW-846 9060A				08/29/2023 2:43
23071810-064A	G307D	08/10/2023 12:12	08/10/2023 17:30		

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Ferrous Iron by CHEMets Kit				08/10/2023 12:12
	Field Elevation Measurements				08/10/2023 12:12
	Standard Methods 2130 B Field				08/10/2023 12:12
	Standard Methods 18th Ed. 2580 B Field				08/10/2023 12:12
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 11:04
	Standard Methods 2320 B 1997, 2011				08/16/2023 11:04
	Standard Methods 2510 B Field				08/10/2023 12:12
	Standard Methods 2540 C (Total) 1997, 2011				08/15/2023 10:46
	Standard Methods 2550 B Field				08/10/2023 12:12
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/11/2023 17:40
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/11/2023 14:19
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/11/2023 14:19
	Standard Methods 4500-O G Field				08/10/2023 12:12
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/11/2023 14:04
	SW-846 9036 (Total)				08/30/2023 18:36
	SW-846 9040B Field				08/10/2023 12:12
	SW-846 9214 (Total)				08/16/2023 10:47
	SW-846 9251 (Total)				09/01/2023 14:31
23071810-064B	G307D	08/10/2023 12:12	08/10/2023 17:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 10:49
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 10:49
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/11/2023 17:40
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 13:20
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 13:20
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/11/2023 14:05
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 13:46
	SW-846 9251 (Dissolved)				08/23/2023 19:43
23071810-064C	G307D	08/10/2023 12:12	08/10/2023 17:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:50	08/16/2023 17:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:50	09/01/2023 1:16
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:50	09/07/2023 23:02
	SW-846 7470A (Total)			08/14/2023 16:33	08/15/2023 18:00
23071810-064D	G307D	08/10/2023 12:12	08/10/2023 17:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 12:00	08/15/2023 17:23
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 17:28

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
23071810-064E	G307D	08/10/2023 12:12	08/10/2023 17:30		
	SW-846 9060A				08/31/2023 22:09
23071810-064F	G307D	08/10/2023 12:12	08/10/2023 17:30		
	SW-846 9060A				08/29/2023 2:51
23071810-065A	G308	08/10/2023 13:00	08/10/2023 17:30		
	Field Elevation Measurements				08/10/2023 13:00
	Standard Methods 2130 B Field				08/10/2023 13:00
	Standard Methods 18th Ed. 2580 B Field				08/10/2023 13:00
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 11:11
	Standard Methods 2320 B 1997, 2011				08/16/2023 11:11
	Standard Methods 2510 B Field				08/10/2023 13:00
	Standard Methods 2540 C (Total) 1997, 2011				08/15/2023 11:10
	Standard Methods 2550 B Field				08/10/2023 13:00
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/11/2023 17:40
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/11/2023 14:35
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/11/2023 14:35
	Standard Methods 4500-O G Field				08/10/2023 13:00
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/11/2023 14:07
	SW-846 9036 (Total)				08/30/2023 18:45
	SW-846 9040B Field				08/10/2023 13:00
	SW-846 9214 (Total)				08/16/2023 10:49
	SW-846 9251 (Total)				09/01/2023 14:50
23071810-065B	G308	08/10/2023 13:00	08/10/2023 17:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 13:45
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 13:45
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/11/2023 17:41
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 13:22
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 13:22
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/11/2023 14:07
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 13:59
	SW-846 9251 (Dissolved)				08/23/2023 19:50
23071810-065C	G308	08/10/2023 13:00	08/10/2023 17:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:50	08/16/2023 17:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:50	09/01/2023 1:23
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:50	09/07/2023 23:08

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 7470A (Total)			08/14/2023 16:33	08/15/2023 18:02
23071810-065D	G308	08/10/2023 13:00	08/10/2023 17:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 12:00	08/15/2023 17:25
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 17:34
23071810-065E	G308	08/10/2023 13:00	08/10/2023 17:30		
	SW-846 9060A				08/31/2023 22:14
23071810-065F	G308	08/10/2023 13:00	08/10/2023 17:30		
	SW-846 9060A				08/31/2023 12:15
23071810-066A	G309	08/08/2023 11:24	08/09/2023 17:52		
	Field Elevation Measurements				08/08/2023 11:24
23071810-067A	G310	08/09/2023 10:36	08/09/2023 17:52		
	Ferrous Iron by CHEMets Kit				08/09/2023 10:36
	Field Elevation Measurements				08/09/2023 10:36
	Standard Methods 2130 B Field				08/09/2023 10:36
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 10:36
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 14:00
	Standard Methods 2320 B 1997, 2011				08/17/2023 14:00
	Standard Methods 2510 B Field				08/09/2023 10:36
	Standard Methods 2540 C (Total) 1997, 2011				08/14/2023 9:16
	Standard Methods 2550 B Field				08/09/2023 10:36
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/10/2023 16:48
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:37
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:37
	Standard Methods 4500-O G Field				08/09/2023 10:36
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/10/2023 13:30
	SW-846 9036 (Total)				08/30/2023 18:52
	SW-846 9040B Field				08/09/2023 10:36
	SW-846 9214 (Total)				08/14/2023 12:14
	SW-846 9251 (Total)				09/01/2023 14:53
23071810-067B	G310	08/09/2023 10:36	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 13:51
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 13:51
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:41
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:20
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:20
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/10/2023 13:31

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 14:18
	SW-846 9251 (Dissolved)				08/23/2023 19:58
23071810-067C	G310	08/09/2023 10:36	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/15/2023 17:56
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	08/30/2023 21:43
	SW-846 7470A (Total)			08/14/2023 18:11	08/15/2023 18:09
23071810-067D	G310	08/09/2023 10:36	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 12:00	08/15/2023 17:27
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 17:39
23071810-067E	G310	08/09/2023 10:36	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 22:20
23071810-067F	G310	08/09/2023 10:36	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 12:49
23071810-068A	G312	08/09/2023 12:28	08/09/2023 17:52		
	Ferrous Iron by CHEMets Kit				08/09/2023 12:28
	Field Elevation Measurements				08/09/2023 12:28
	Standard Methods 2130 B Field				08/09/2023 12:28
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 12:28
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 14:07
	Standard Methods 2320 B 1997, 2011				08/17/2023 14:07
	Standard Methods 2510 B Field				08/09/2023 12:28
	Standard Methods 2540 C (Total) 1997, 2011				08/14/2023 9:16
	Standard Methods 2550 B Field				08/09/2023 12:28
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/10/2023 16:49
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:39
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:39
	Standard Methods 4500-O G Field				08/09/2023 12:28
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/10/2023 13:33
	SW-846 9036 (Total)				08/30/2023 19:17
	SW-846 9040B Field				08/09/2023 12:28
	SW-846 9214 (Total)				08/14/2023 12:16
	SW-846 9251 (Total)				09/01/2023 14:58
23071810-068B	G312	08/09/2023 12:28	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 13:58
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 13:58

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:42
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:22
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:22
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/10/2023 13:33
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 14:26
	SW-846 9251 (Dissolved)				08/23/2023 20:07
23071810-068C	G312	08/09/2023 12:28	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/15/2023 18:07
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	08/30/2023 21:49
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	09/13/2023 20:11
	SW-846 7470A (Total)			08/14/2023 18:11	08/15/2023 18:16
23071810-068D	G312	08/09/2023 12:28	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 12:00	08/15/2023 17:28
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 17:17
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 17:44
23071810-068E	G312	08/09/2023 12:28	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 22:27
23071810-068F	G312	08/09/2023 12:28	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 13:27
23071810-069A	G313	08/09/2023 14:12	08/09/2023 17:52		
	Ferrous Iron by CHEMets Kit				08/09/2023 14:12
	Field Elevation Measurements				08/09/2023 14:12
	Standard Methods 2130 B Field				08/09/2023 14:12
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 14:12
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 14:15
	Standard Methods 2320 B 1997, 2011				08/17/2023 14:15
	Standard Methods 2510 B Field				08/09/2023 14:12
	Standard Methods 2540 C (Total) 1997, 2011				08/14/2023 10:22
	Standard Methods 2550 B Field				08/09/2023 14:12
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/10/2023 16:49
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:42
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:42
	Standard Methods 4500-O G Field				08/09/2023 14:12
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/10/2023 13:34
	SW-846 9036 (Total)				08/30/2023 19:24

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 9040B Field				08/09/2023 14:12
	SW-846 9214 (Total)				08/14/2023 12:18
	SW-846 9251 (Total)				09/01/2023 15:01
23071810-069B	G313	08/09/2023 14:12	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 11:55
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 11:55
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:42
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:25
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:25
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/10/2023 13:35
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 14:37
	SW-846 9251 (Dissolved)				08/23/2023 20:30
23071810-069C	G313	08/09/2023 14:12	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/15/2023 18:08
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	08/30/2023 21:56
	SW-846 7470A (Total)			08/14/2023 18:11	08/15/2023 18:18
23071810-069D	G313	08/09/2023 14:12	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 12:00	08/15/2023 17:30
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 17:50
23071810-069E	G313	08/09/2023 14:12	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 22:32
23071810-069F	G313	08/09/2023 14:12	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 13:33
23071810-070A	G314	08/09/2023 14:33	08/09/2023 17:52		
	Ferrous Iron by CHEMets Kit				08/09/2023 14:33
	Field Elevation Measurements				08/09/2023 14:33
	Standard Methods 2130 B Field				08/09/2023 14:33
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 14:33
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 14:24
	Standard Methods 2320 B 1997, 2011				08/17/2023 14:24
	Standard Methods 2510 B Field				08/09/2023 14:33
	Standard Methods 2540 C (Total) 1997, 2011				08/14/2023 10:22
	Standard Methods 2550 B Field				08/09/2023 14:33
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/10/2023 16:49
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:44
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 19:44

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 4500-O G Field				08/09/2023 14:33
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/10/2023 14:03
	SW-846 9036 (Total)				08/30/2023 19:38
	SW-846 9040B Field				08/09/2023 14:33
	SW-846 9214 (Total)				08/14/2023 12:20
	SW-846 9251 (Total)				09/01/2023 15:06
23071810-070B	G314	08/09/2023 14:33	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/11/2023 16:21
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/11/2023 16:21
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:43
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:27
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:27
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/10/2023 14:02
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 15:17
	SW-846 9251 (Dissolved)				08/23/2023 20:52
23071810-070C	G314	08/09/2023 14:33	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/15/2023 18:10
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	08/30/2023 22:47
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	09/13/2023 20:16
	SW-846 7470A (Total)			08/14/2023 18:11	08/15/2023 18:20
23071810-070D	G314	08/09/2023 14:33	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 12:00	08/15/2023 17:31
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 13:14
23071810-070E	G314	08/09/2023 14:33	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 22:38
23071810-070F	G314	08/09/2023 14:33	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 13:39
23071810-071A	G314D	08/09/2023 14:53	08/09/2023 17:52		
	Ferrous Iron by CHEMets Kit				08/09/2023 14:53
	Field Elevation Measurements				08/09/2023 14:53
	Standard Methods 2130 B Field				08/09/2023 14:53
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 14:53
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 14:33
	Standard Methods 2320 B 1997, 2011				08/17/2023 14:33
	Standard Methods 2510 B Field				08/09/2023 14:53

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 2540 C (Total) 1997, 2011				08/14/2023 10:22
	Standard Methods 2550 B Field				08/09/2023 14:53
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/10/2023 16:50
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 20:04
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 20:04
	Standard Methods 4500-O G Field				08/09/2023 14:53
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/10/2023 14:01
	SW-846 9036 (Total)				08/30/2023 19:46
	SW-846 9040B Field				08/09/2023 14:53
	SW-846 9214 (Total)				08/14/2023 12:23
	SW-846 9251 (Total)				09/01/2023 15:09
23071810-071B	G314D	08/09/2023 14:53	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 12:02
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 12:02
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:43
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:29
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:29
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/10/2023 14:04
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 15:25
	SW-846 9251 (Dissolved)				08/23/2023 21:00
23071810-071C	G314D	08/09/2023 14:53	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/15/2023 18:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	08/30/2023 22:53
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	09/13/2023 20:22
	SW-846 7470A (Total)			08/14/2023 18:11	08/15/2023 18:27
23071810-071D	G314D	08/09/2023 14:53	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 12:00	08/15/2023 17:33
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/12/2023 0:28
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 17:23
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 12:00	09/13/2023 17:55
23071810-071E	G314D	08/09/2023 14:53	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 22:44
23071810-071F	G314D	08/09/2023 14:53	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 13:44
23071810-072A	G315	08/10/2023 11:29	08/10/2023 17:30		

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Ferrous Iron by CHEMets Kit				08/10/2023 11:29
	Field Elevation Measurements				08/10/2023 11:29
	Standard Methods 2130 B Field				08/10/2023 11:29
	Standard Methods 18th Ed. 2580 B Field				08/10/2023 11:29
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 11:26
	Standard Methods 2320 B 1997, 2011				08/16/2023 11:26
	Standard Methods 2510 B Field				08/10/2023 11:29
	Standard Methods 2540 C (Total) 1997, 2011				08/15/2023 11:10
	Standard Methods 2550 B Field				08/10/2023 11:29
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/11/2023 17:41
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/11/2023 14:37
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/11/2023 14:37
	Standard Methods 4500-O G Field				08/10/2023 11:29
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/11/2023 14:09
	SW-846 9036 (Total)				08/30/2023 19:48
	SW-846 9040B Field				08/10/2023 11:29
	SW-846 9214 (Total)				08/16/2023 10:51
	SW-846 9251 (Total)				09/01/2023 15:14
23071810-072B	G315	08/10/2023 11:29	08/10/2023 17:30		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 12:10
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 12:10
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/11/2023 17:42
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 13:25
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/11/2023 13:25
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/11/2023 14:10
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 15:26
	SW-846 9251 (Dissolved)				08/23/2023 21:24
23071810-072C	G315	08/10/2023 11:29	08/10/2023 17:30		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:50	08/16/2023 17:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:50	09/01/2023 1:29
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:50	09/07/2023 23:14
	SW-846 7470A (Total)			08/14/2023 18:11	08/15/2023 18:29
23071810-072D	G315	08/10/2023 11:29	08/10/2023 17:30		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 13:35	08/16/2023 11:55
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 13:35	08/16/2023 16:13
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 13:35	09/10/2023 23:53

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
23071810-072E	G315	08/10/2023 11:29	08/10/2023 17:30		
	SW-846 9060A				08/31/2023 23:20
23071810-072F	G315	08/10/2023 11:29	08/10/2023 17:30		
	SW-846 9060A				08/31/2023 13:51
23071810-073A	G316	08/09/2023 13:43	08/09/2023 17:52		
	Ferrous Iron by CHEMets Kit				08/09/2023 13:43
	Field Elevation Measurements				08/09/2023 13:43
	Standard Methods 2130 B Field				08/09/2023 13:43
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 13:43
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 14:42
	Standard Methods 2320 B 1997, 2011				08/17/2023 14:42
	Standard Methods 2510 B Field				08/09/2023 13:43
	Standard Methods 2540 C (Total) 1997, 2011				08/14/2023 10:23
	Standard Methods 2550 B Field				08/09/2023 13:43
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/10/2023 16:51
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 20:06
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 20:06
	Standard Methods 4500-O G Field				08/09/2023 13:43
	Standard Methods 4500-P E 1999				08/11/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/10/2023 14:07
	SW-846 9036 (Total)				08/30/2023 20:13
	SW-846 9040B Field				08/09/2023 13:43
	SW-846 9214 (Total)				08/14/2023 12:34
	SW-846 9251 (Total)				09/01/2023 15:17
23071810-073B	G316	08/09/2023 13:43	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 12:15
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 12:15
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:43
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:32
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 18:32
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/10/2023 14:08
	Standard Methods 4500-P E (Dissolved) 1999				08/11/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 15:35
	SW-846 9251 (Dissolved)				08/23/2023 21:32
23071810-073C	G316	08/09/2023 13:43	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/15/2023 18:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	08/30/2023 23:00

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	09/11/2023 15:27
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	09/13/2023 20:27
	SW-846 7470A (Total)			08/14/2023 18:11	08/15/2023 18:32
23071810-073D	G316	08/09/2023 13:43	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 13:35	08/16/2023 11:56
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 13:35	08/16/2023 16:14
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 13:35	09/10/2023 23:59
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 13:35	09/13/2023 13:08
23071810-073E	G316	08/09/2023 13:43	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 23:27
23071810-073F	G316	08/09/2023 13:43	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 13:57
23071810-099A	SG-03	08/08/2023 12:04	08/09/2023 17:52		
	Field Elevation Measurements				08/08/2023 12:04
23071810-106A	XSG-01	08/08/2023 12:19	08/09/2023 17:52		
	Field Elevation Measurements				08/08/2023 12:19
23071810-107A	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 13:33
	Standard Methods 2320 B 1997, 2011				08/17/2023 13:33
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 12:39
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 21:06
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:23
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:23
	Standard Methods 4500-P E 1999				08/16/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/16/2023 13:52
	SW-846 9036 (Total)				08/30/2023 23:33
	SW-846 9214 (Total)				08/16/2023 14:38
	SW-846 9251 (Total)				08/30/2023 23:34
23071810-107B	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 11:27
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 11:27
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 21:01
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 13:12
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 13:12
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/16/2023 13:53
	Standard Methods 4500-P E (Dissolved) 1999				08/16/2023 0:00
	SW-846 9036 (Dissolved)				08/24/2023 1:18

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 9214 (Dissolved)				08/16/2023 14:41
	SW-846 9251 (Dissolved)				08/24/2023 1:18
23071810-107C	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 18:29	08/17/2023 10:29
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 18:29	08/18/2023 15:59
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	08/30/2023 12:36
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/11/2023 12:58
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/13/2023 22:48
	SW-846 7470A (Total)			08/22/2023 13:27	08/24/2023 11:44
23071810-107D	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 10:09
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 16:04
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/18/2023 15:52
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/01/2023 16:01
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/08/2023 2:39
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/13/2023 18:44
	SW-846 7470A (Dissolved)			08/22/2023 13:27	08/24/2023 11:46
23071810-107E	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	SW-846 9012A (Total)			08/16/2023 20:03	08/17/2023 11:33
23071810-107F	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	SW-846 9060A				09/01/2023 2:44
	SW-846 9066 (Total)				08/23/2023 10:41
23071810-107G	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	SW-846 9060A				08/31/2023 17:09
23071810-107H	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	Standard Methods 4500-NH3 G (Dissolved) 1997, 2011				08/16/2023 11:36
23071810-111A	G301 Duplicate	08/09/2023 11:13	08/09/2023 17:52		
	Ferrous Iron by CHEMets Kit				08/09/2023 11:13
	Field Elevation Measurements				08/09/2023 11:13
	Standard Methods 2130 B Field				08/09/2023 11:13
	Standard Methods 18th Ed. 2580 B Field				08/09/2023 11:13
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 14:51
	Standard Methods 2320 B 1997, 2011				08/17/2023 14:51
	Standard Methods 2510 B Field				08/09/2023 11:13
	Standard Methods 2540 C (Total) 1997, 2011				08/14/2023 11:45
	Standard Methods 2550 B Field				08/09/2023 11:13
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/10/2023 16:51

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 20:15
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/10/2023 20:15
	Standard Methods 4500-O G Field				08/09/2023 11:13
	Standard Methods 4500-P E 1999				08/12/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/10/2023 14:09
	SW-846 9036 (Total)				08/31/2023 0:12
	SW-846 9040B Field				08/09/2023 11:13
	SW-846 9214 (Total)				08/14/2023 12:41
	SW-846 9251 (Total)				09/01/2023 16:02
23071810-111B	G301 Duplicate	08/09/2023 11:13	08/09/2023 17:52		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 14:43
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/15/2023 14:43
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/10/2023 16:45
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 19:00
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/10/2023 19:00
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/10/2023 14:11
	Standard Methods 4500-P E (Dissolved) 1999				08/12/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 18:50
	SW-846 9251 (Dissolved)				08/24/2023 1:58
23071810-111C	G301 Duplicate	08/09/2023 11:13	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/15/2023 18:30
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/14/2023 11:42	08/16/2023 15:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	08/30/2023 23:12
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/14/2023 11:42	09/13/2023 20:32
	SW-846 7470A (Total)			08/14/2023 18:12	08/15/2023 19:30
23071810-111D	G301 Duplicate	08/09/2023 11:13	08/09/2023 17:52		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 13:35	08/16/2023 12:39
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/14/2023 13:35	08/16/2023 16:33
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 13:35	09/11/2023 2:59
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/14/2023 13:35	09/13/2023 18:49
23071810-111E	G301 Duplicate	08/09/2023 11:13	08/09/2023 17:52		
	SW-846 9060A				09/01/2023 2:56
23071810-111F	G301 Duplicate	08/09/2023 11:13	08/09/2023 17:52		
	SW-846 9060A				08/31/2023 17:22

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

STANDARD METHODS 2510 B FIELD

Batch R335486 **SampType:** LCS Units **µS/cm**
SampID: LCS 1-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1470**	1412	0	104.4	90	110	08/09/2023

Batch R335486 **SampType:** LCS Units **µS/cm**
SampID: LCS 2-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	08/10/2023

Batch R335486 **SampType:** LCS Units **µS/cm**
SampID: LCS 3-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1470**	1412	0	104.1	90	110	08/11/2023

Batch R335486 **SampType:** LCS Units **µS/cm**
SampID: LCS-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.7	90	110	08/09/2023

Batch R335486 **SampType:** LCS Units **µS/cm**
SampID: LCS-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.6	90	110	08/10/2023

Batch R335486 **SampType:** LCS Units **µS/cm**
SampID: LCS-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.8	90	110	08/14/2023

Batch R335486 **SampType:** LCS Units **µS/cm**
SampID: LCS-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	08/14/2023

Batch R335486 **SampType:** LCS Units **µS/cm**
SampID: LCS-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.5	90	110	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9040B FIELD

Batch R335486 **SampType:** LCS Units
SampID: LCS 1 -3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.10**	7.000	0	101.4	98.57	101.4	08/09/2023

Batch R335486 **SampType:** LCS Units
SampID: LCS 2-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	08/10/2023

Batch R335486 **SampType:** LCS Units
SampID: LCS 3-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.07**	7.000	0	101.0	98.57	101.4	08/11/2023

Batch R335486 **SampType:** LCS Units
SampID: LCS2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	08/09/2023

Batch R335486 **SampType:** LCS Units
SampID: LCS3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	08/10/2023

Batch R335486 **SampType:** LCS Units
SampID: LCS4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	08/14/2023

Batch R335486 **SampType:** LCS Units
SampID: LCS5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.04**	7.000	0	100.6	98.57	101.4	08/14/2023

Batch R335486 **SampType:** LCS Units
SampID: LCS6

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	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R334965 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/12/2023

Batch R334965 **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		**914**	1000	0	91.4	90	110	08/12/2023

Batch R334965 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23071810-011ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**444**				448.0	0.90	08/12/2023

Batch R335033 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/14/2023

Batch R335033 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**936**	1000	0	93.6	90	110	08/14/2023

Batch R335033 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23071810-102ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**432**				446.0	3.19	08/14/2023

Batch R335101 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/15/2023
Total Dissolved Solids		20	S	**20**	16.00	0	125.0	-100	100	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R335101 **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		**930**	1000	0	93.0	90	110	08/15/2023
Total Dissolved Solids		20	B	**934**	1000	0	93.4	90	110	08/15/2023

Batch R335101 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23071810-064ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**1100**				1080	1.38	08/15/2023

Batch R335101 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23071810-082ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**758**				752.0	0.79	08/15/2023

Batch R335171 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/16/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/16/2023

Batch R335171 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**960**	1000	0	96.0	90	110	08/16/2023
Total Dissolved Solids		20		**984**	1000	0	98.4	90	110	08/16/2023

Batch R335171 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23071810-039ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**452**				426.0	5.92	08/16/2023

Batch R335171 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23071810-054ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1610**				1642	2.09	08/16/2023

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Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R335221 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/17/2023

Batch R335221 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**958**	1000	0	95.8	90	110	08/17/2023

Batch R335221 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23071810-094ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		100		**11500**				11590	0.78	08/17/2023

Batch R335221 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23071810-103ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200		**17400**				17840	2.73	08/17/2023

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

Batch R334884 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	08/11/2023

Batch R334884 **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		**1.03**	1.000	0	102.6	90	110	08/11/2023

Batch R334884 **SampType:** MS Units **mg/L**
SampID: 23071810-002GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.91**	2.000	0	95.3	90	110	08/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch R334884 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-002GMSD

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	96.6	1.906	1.41	08/11/2023

Batch R334884 **SampType:** MS Units **mg/L**
SampID: 23071810-010EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0	94.2	90	110	08/11/2023

Batch R334884 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-010EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0	94.0	1.885	0.32	08/11/2023

Batch R334884 **SampType:** MS Units **mg/L**
SampID: 23071810-101FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0.02700	93.7	90	110	08/11/2023

Batch R334884 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-101FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.02700	94.4	1.901	0.73	08/11/2023

Batch R334951 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	08/14/2023

Batch R334951 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**0.98**	1.000	0	98.4	90	110	08/14/2023

Batch R334951 **SampType:** MS Units **mg/L**
SampID: 23071810-004GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**2.56**	2.000	0.7670	89.6	90	110	08/14/2023

Teklab, Inc.
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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch R334951 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-004GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.58**	2.000	0.7670	90.6	2.560	0.74	08/14/2023

Batch R334951 **SampType:** MS Units **mg/L**
SampID: 23071810-095GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.82**	2.000	0	91.2	90	110	08/14/2023

Batch R334951 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-095GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.81**	2.000	0	90.7	1.825	0.60	08/14/2023

Batch R335087 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	08/16/2023

Batch R335087 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.02**	1.000	0	102.4	90	110	08/16/2023

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

Batch R334890 **SampType:** MS Units **mg/L**
SampID: 23071810-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.2	85	115	08/10/2023

Batch R334890 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.0	0.4960	0.20	08/10/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch R334890 **SampType:** MS Units **mg/L**
SampID: 23071810-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.4	85	115	08/10/2023

Batch R334890 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-009BMSD

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	0.4920	2.21	08/10/2023

Batch R334890 **SampType:** MS Units **mg/L**
SampID: 23071810-011BMS

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	100.4	85	115	08/10/2023

Batch R334890 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.8	0.5020	0.60	08/10/2023

Batch R334890 **SampType:** MS Units **mg/L**
SampID: 23071810-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.0	85	115	08/10/2023

Batch R334890 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.0	0.4700	5.18	08/10/2023

Batch R334890 **SampType:** MS Units **mg/L**
SampID: 23071810-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.2	85	115	08/10/2023

Batch R334890 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-018BMSD

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	100.4	0.4910	2.22	08/10/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch R334890 **SampType:** MS Units **mg/L**
SampID: 23071810-060BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.8	85	115	08/10/2023

Batch R334890 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-060BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.8	0.4940	1.01	08/10/2023

Batch R334911 **SampType:** MS Units **mg/L**
SampID: 23071810-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.8	85	115	08/11/2023

Batch R334911 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-005BMSD

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	95.2	0.4740	0.42	08/11/2023

Batch R334911 **SampType:** MS Units **mg/L**
SampID: 23071810-061BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.8	85	115	08/11/2023

Batch R334911 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-061BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.4	0.4740	0.42	08/11/2023

Batch R334911 **SampType:** MS Units **mg/L**
SampID: 23071810-081BMS

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	95.8	85	115	08/11/2023

Batch R334911 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-081BMSD

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	94.6	0.4790	1.26	08/11/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch R334911 **SampType:** MS Units **mg/L**
SampID: 23071810-095BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.6	85	115	08/11/2023

Batch R334911 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-095BMSD

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	95.2	0.4730	0.63	08/11/2023

Batch R335044 **SampType:** MS Units **mg/L**
SampID: 23071810-051BMS

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	08/15/2023

Batch R335044 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-051BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.8	0.4820	1.44	08/15/2023

Batch R335044 **SampType:** MS Units **mg/L**
SampID: 23071810-052BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.6	85	115	08/15/2023

Batch R335044 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-052BMSD

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	0.5130	0.78	08/15/2023

Batch R335044 **SampType:** MS Units **mg/L**
SampID: 23071810-110BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.8	85	115	08/15/2023

Batch R335044 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-110BMSD

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	98.0	0.4890	0.20	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch R334890 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	08/10/2023

Batch R334890 **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)		0.25		**1.24**	1.250	0	98.8	90	110	08/10/2023

Batch R334911 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	08/11/2023

Batch R334911 **SampType:** MBLK Units **mg/Kg**
SampID: MB-R334911

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.50		**< 0.50**	0.0250	0	0	-100	100	08/11/2023

Batch R334911 **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)		0.25		**1.24**	1.250	0	99.2	90	110	08/11/2023

Batch R334911 **SampType:** LCS Units **mg/Kg**
SampID: LCS-R334911

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		2.50	J	**1.2**	1.250	0	99.2	90	110	08/11/2023

Batch R334911 **SampType:** MS Units **mg/L**
SampID: 23071810-033AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	91.4	85	115	08/11/2023

Batch R334911 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-033AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.0	0.4570	7.98	08/11/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch R334911 **SampType:** MS Units **mg/L**
SampID: 23071810-083AMS

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	101.0	85	115	08/11/2023

Batch R334911 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-083AMSD

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	101.0	0.5050	0.00	08/11/2023

Batch R335044 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	08/15/2023

Batch R335044 **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)		0.25		**1.19**	1.250	0	95.2	90	110	08/15/2023

Batch R335044 **SampType:** MS Units **mg/L**
SampID: 23071810-039AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.8	85	115	08/15/2023

Batch R335044 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-039AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.2	0.4990	0.60	08/15/2023

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

Batch R334857 **SampType:** MS Units **mg/L**
SampID: 23071810-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.249**	0.2500	0	99.6	85	115	08/10/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch R334857 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.250**	0.2500	0	100.0	0.2490	0.40	08/10/2023

Batch R334857 **SampType:** MS Units **mg/L**
SampID: 23071810-016BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	E	**1.03**	0.2500	0.7610	105.6	85	115	08/10/2023

Batch R334857 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-016BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	E	**1.02**	0.2500	0.7610	104.0	1.025	0.39	08/10/2023

Batch R334857 **SampType:** MS Units **mg/L**
SampID: 23071810-102BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.254**	0.2500	0	101.6	85	115	08/10/2023

Batch R334857 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-102BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.250**	0.2500	0	100.0	0.2540	1.59	08/10/2023

Batch R334934 **SampType:** MS Units **mg/L**
SampID: 23071810-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.275**	0.2500	0.02600	99.6	85	115	08/11/2023

Batch R334934 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.272**	0.2500	0.02600	98.4	0.2750	1.10	08/11/2023

Batch R334934 **SampType:** MS Units **mg/L**
SampID: 23071810-023BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.802**	0.2500	0.5370	106.0	85	115	08/11/2023

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Quality Control Results

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Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch R334934 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-023BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.796**	0.2500	0.5370	103.6	0.8020	0.75	08/11/2023

Batch R334934 **SampType:** MS Units **mg/L**
SampID: 23071810-072BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.254**	0.2500	0	101.6	85	115	08/11/2023

Batch R334934 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-072BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.251**	0.2500	0	100.4	0.2540	1.19	08/11/2023

Batch R334934 **SampType:** MS Units **mg/L**
SampID: 23071810-075BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.227**	0.2500	0.04900	71.2	85	115	08/11/2023

Batch R334934 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-075BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.233**	0.2500	0.04900	73.6	0.2270	2.61	08/11/2023

Batch R335048 **SampType:** MS Units **mg/L**
SampID: 23071810-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.546**	0.2500	0.3060	96.0	85	115	08/15/2023

Batch R335048 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.540**	0.2500	0.3060	93.6	0.5460	1.10	08/15/2023

Batch R335128 **SampType:** MS Units **mg/L**
SampID: 23071810-050BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**7.13**	2.500	4.650	99.2	85	115	08/16/2023

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Quality Control Results

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Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch R335128 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-050BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.99**	2.500	4.650	93.7	7.131	1.97	08/16/2023

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

Batch R334857 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/10/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/10/2023

Batch R334857 **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		**0.525**	0.5000	0	105.0	90	110	08/10/2023

Batch R334857 **SampType:** MS Units **mg/L**
SampID: 23071810-060AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.297**	0.2500	0.04100	102.4	85	115	08/10/2023

Batch R334857 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-060AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.294**	0.2500	0.04100	101.2	0.2970	1.02	08/10/2023

Batch R334857 **SampType:** MS Units **mg/L**
SampID: 23071810-070AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.260**	0.2500	0.01100	99.6	85	115	08/10/2023

Batch R334857 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-070AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.257**	0.2500	0.01100	98.4	0.2600	1.16	08/10/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch R334857 **SampType:** MS Units **mg/L**
SampID: 23071810-073AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.255**	0.2500	0.01100	97.6	85	115	08/10/2023

Batch R334857 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-073AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.257**	0.2500	0.01100	98.4	0.2550	0.78	08/10/2023

Batch R334934 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/11/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/11/2023

Batch R334934 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.495**	0.5000	0	99.0	90	110	08/11/2023

Batch R334934 **SampType:** MS Units **mg/L**
SampID: 23071810-038AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.259**	0.2500	0.009000	100.0	85	115	08/11/2023

Batch R334934 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-038AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.254**	0.2500	0.009000	98.0	0.2590	1.95	08/11/2023

Batch R334934 **SampType:** MS Units **mg/L**
SampID: 23071810-082AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.294**	0.2500	0.04900	98.0	85	115	08/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch R334934 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-082AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.292**	0.2500	0.04900	97.2	0.2940	0.68	08/11/2023

Batch R334997 **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-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/14/2023

Batch R334997 **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		**0.512**	0.5000	0	102.4	90	110	08/14/2023

Batch R335048 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/15/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/15/2023

Batch R335048 **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		**0.504**	0.5000	0	100.8	90	110	08/15/2023

Batch R335048 **SampType:** MS Units **mg/L**
SampID: 23071810-029AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.248**	0.2500	0.01200	94.4	85	115	08/15/2023

Batch R335048 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-029AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.249**	0.2500	0.01200	94.8	0.2480	0.40	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch R335128 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/16/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/16/2023

Batch R335128 **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		**0.501**	0.5000	0	100.2	90	110	08/16/2023

STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R334877 **SampType:** MS Units **mg/L**
SampID: 23071810-032BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.060**	0.0500	0.01100	98.0	85	115	08/11/2023

Batch R334877 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-032BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.065**	0.0500	0.01100	108.0	0.06000	8.00	08/11/2023

Batch R334877 **SampType:** MS Units **mg/L**
SampID: 23071810-038BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.064**	0.0500	0.007000	114.0	85	115	08/11/2023

Batch R334877 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-038BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.064**	0.0500	0.007000	114.0	0.06400	0.00	08/11/2023

Batch R334877 **SampType:** MS Units **mg/L**
SampID: 23071810-065BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.060**	0.0500	0.007000	106.0	85	115	08/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R334877 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-065BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.062**	0.0500	0.007000	110.0	0.06000	3.28	08/11/2023

Batch R334877 **SampType:** MS Units **mg/L**
SampID: 23071810-080BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.062**	0.0500	0.01400	96.0	85	115	08/11/2023

Batch R334877 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-080BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.065**	0.0500	0.01400	102.0	0.06200	4.72	08/11/2023

Batch R334877 **SampType:** MS Units **mg/L**
SampID: 23071810-081BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.051**	0.0500	0	102.0	85	115	08/11/2023

Batch R334877 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-081BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.051**	0.0500	0	102.0	0.05100	0.00	08/11/2023

Batch R334938 **SampType:** MS Units **mg/L**
SampID: 23071810-067BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.057**	0.0500	0.006000	102.0	85	115	08/10/2023

Batch R334938 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-067BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.058**	0.0500	0.006000	104.0	0.05700	1.74	08/10/2023

Batch R334938 **SampType:** MS Units **mg/L**
SampID: 23071810-071BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.050**	0.0500	0	100.0	85	115	08/10/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R334938 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-071BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.049**	0.0500	0	98.0	0.05000	2.02	08/10/2023

Batch R334938 **SampType:** MS Units **mg/L**
SampID: 23071810-111BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.055**	0.0500	0	110.0	85	115	08/10/2023

Batch R334938 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-111BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.055**	0.0500	0	110.0	0.05500	0.00	08/10/2023

Batch R335029 **SampType:** MS Units **mg/L**
SampID: 23071810-029BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.070**	0.0500	0.01800	104.0	85	115	08/15/2023

Batch R335029 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-029BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.072**	0.0500	0.01800	108.0	0.07000	2.82	08/15/2023

Batch R335029 **SampType:** MS Units **mg/L**
SampID: 23071810-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.054**	0.0500	0	108.0	85	115	08/15/2023

Batch R335029 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.052**	0.0500	0	104.0	0.05400	3.77	08/15/2023

Batch R335029 **SampType:** MS Units **mg/L**
SampID: 23071810-051BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.056**	0.0500	0.01100	90.0	85	115	08/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

STANDARD METHODS 4500-P E (DISSOLVED) 1999, 2011

Batch R335029 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-051BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.056**	0.0500	0.01100	90.0	0.05600	0.00	08/15/2023

Batch R335135 **SampType:** MS Units **mg/L**
SampID: 23071810-054BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.049**	0.0500	0	98.0	85	115	08/16/2023

Batch R335135 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-054BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.050**	0.0500	0	100.0	0.04900	2.02	08/16/2023

Batch R335135 **SampType:** MS Units **mg/L**
SampID: 23071810-103BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.055**	0.0500	0	110.0	85	115	08/16/2023

Batch R335135 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-103BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.051**	0.0500	0	102.0	0.05500	7.55	08/16/2023

STANDARD METHODS 4500-P E 1999, 2011

Batch R334877 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**< 0.010**	0.0020	0	0	-100	100	08/11/2023

Batch R334877 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.105**	0.1000	0	105.0	90	110	08/11/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

STANDARD METHODS 4500-P E 1999, 2011

Batch R334938 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**< 0.010**	0.0020	0	0	-100	100	08/10/2023

Batch R334938 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.099**	0.1000	0	99.0	90	110	08/10/2023

Batch R335029 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**< 0.010**	0.0020	0	0	-100	100	08/15/2023

Batch R335029 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.105**	0.1000	0	105.0	90	110	08/15/2023

Batch R335135 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**< 0.010**	0.0020	0	0	-100	100	08/16/2023

Batch R335135 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Orthophosphate (as P)		0.010		**0.108**	0.1000	0	108.0	90	110	08/16/2023

SW-846 9012A (TOTAL)

Batch 210749 **SampType:** MBLK Units **mg/L**
SampID: MBLK 230811 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9012A (TOTAL)

Batch 210749 **SampType:** LCS Units **mg/L**
SampID: LCS 230811 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	107.8	90	110	08/14/2023

Batch 210749 **SampType:** MS Units **mg/L**
SampID: 23071810-002EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.5	75	125	08/14/2023

Batch 210749 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-002EMSD

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	0.02613	4.26	08/14/2023

Batch 210822 **SampType:** MBLK Units **mg/L**
SampID: MBLK 230814 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/15/2023

Batch 210822 **SampType:** LCS Units **mg/L**
SampID: LCS 230814 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	105.1	90	110	08/15/2023

Batch 210822 **SampType:** MS Units **mg/L**
SampID: 23071810-004EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	105.5	75	125	08/15/2023

Batch 210822 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-004EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	102.5	0.02636	2.83	08/15/2023

Batch 210824 **SampType:** MBLK Units **mg/L**
SampID: MBLK 230814 TCN3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9012A (TOTAL)

Batch 210824 **SampType:** LCS Units **mg/L**
SampID: LCS 230814 TCN3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.6	85	115	08/15/2023

Batch 210824 **SampType:** MS Units **mg/L**
SampID: 23071810-020DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0	111.3	75	125	08/15/2023

Batch 210824 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-020DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0	110.8	0.02782	0.43	08/15/2023

Batch 210912 **SampType:** MBLK Units **mg/L**
SampID: MBLK 230815 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/16/2023

Batch 210912 **SampType:** LCS Units **mg/L**
SampID: LCS 230815 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.5	90	110	08/16/2023

Batch 210912 **SampType:** MS Units **mg/L**
SampID: 23071810-036EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.017**	0.0250	0	69.9	75	125	08/16/2023

Batch 210912 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-036EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	R	**0.024**	0.0250	0	95.2	0.01747	30.72	08/16/2023

Batch 210912 **SampType:** MS Units **mg/L**
SampID: 23071810-042EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.001480	106.1	75	125	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9012A (TOTAL)

Batch 210912 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-042EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.001480	106.3	0.02800	0.17	08/16/2023

Batch 210913 **SampType:** MBLK Units **mg/L**
SampID: MBLK 230815 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/16/2023

Batch 210913 **SampType:** LCS Units **mg/L**
SampID: LCS 230815 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.1	90	110	08/16/2023

Batch 210913 **SampType:** MS Units **mg/L**
SampID: 23071810-051EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0	113.0	75	125	08/16/2023

Batch 210913 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-051EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	R	**0.023**	0.0250	0	93.8	0.02824	18.51	08/16/2023

Batch 210913 **SampType:** MS Units **mg/L**
SampID: 23071810-079EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	109.8	75	125	08/16/2023

Batch 210913 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-079EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.3	0.02744	10.99	08/16/2023

Batch 210967 **SampType:** MBLK Units **mg/L**
SampID: MBLK 230816 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9012A (TOTAL)

Batch 210967 **SampType:** LCS Units **mg/L**
SampID: LCS 230816 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.4	90	110	08/17/2023

Batch 210967 **SampType:** MS Units **mg/L**
SampID: 23071810-078EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.022**	0.0250	0	86.6	75	125	08/17/2023

Batch 210967 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-078EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	R	**0.025**	0.0250	0	101.1	0.02164	15.46	08/17/2023

Batch 210967 **SampType:** MS Units **mg/L**
SampID: 23071810-083EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	108.1	75	125	08/17/2023

Batch 210967 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-083EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	108.6	0.02704	0.46	08/17/2023

SW-846 9036 (DISSOLVED)

Batch R335217 **SampType:** MS Units **mg/L**
SampID: 23071810-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100	S	**285**	200.0	124.3	80.5	85	115	08/18/2023

Batch R335217 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100	S	**282**	200.0	124.3	79.1	285.2	0.95	08/18/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9036 (DISSOLVED)

Batch R335452 **SampType:** MS Units **mg/L**
SampID: 23071810-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	E	**106**	40.00	69.98	90.7	85	115	08/23/2023

Batch R335452 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**108**	40.00	69.98	94.5	106.3	1.41	08/23/2023

Batch R335452 **SampType:** MS Units **mg/L**
SampID: 23071810-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**323**	200.0	126.0	98.4	85	115	08/23/2023

Batch R335452 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**315**	200.0	126.0	94.7	322.9	2.33	08/23/2023

Batch R335452 **SampType:** MS Units **mg/L**
SampID: 23071810-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	E	**109**	40.00	74.41	86.9	85	115	08/23/2023

Batch R335452 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**110**	40.00	74.41	88.2	109.2	0.48	08/23/2023

Batch R335452 **SampType:** MS Units **mg/L**
SampID: 23071810-037BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**783**	400.0	400.3	95.6	85	115	08/23/2023

Batch R335452 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-037BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**752**	400.0	400.3	87.9	782.9	4.03	08/23/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9036 (DISSOLVED)

Batch R335452 **SampType:** MS Units **mg/L**
SampID: 23071810-053BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**435**	200.0	252.1	91.4	85	115	08/23/2023

Batch R335452 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-053BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**446**	200.0	252.1	96.8	434.8	2.44	08/23/2023

Batch R335683 **SampType:** MS Units **mg/L**
SampID: 23071810-069BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200	E	**1060**	400.0	686.8	92.4	85	115	08/29/2023

Batch R335683 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-069BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200	E	**1070**	400.0	686.8	95.8	1056	1.29	08/29/2023

Batch R335683 **SampType:** MS Units **mg/L**
SampID: 23071810-101BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**177**	100.0	90.46	86.0	85	115	08/29/2023

Batch R335683 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-101BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	S	**175**	100.0	90.46	84.4	176.5	0.96	08/29/2023

Batch R335764 **SampType:** MS Units **mg/L**
SampID: 23071810-062BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100	S	**302**	200.0	139.0	81.7	85	115	08/30/2023

Batch R335764 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-062BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100	S	**305**	200.0	139.0	83.0	302.4	0.84	08/30/2023

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Quality Control Results

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Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9036 (DISSOLVED)

Batch R335764 **SampType:** MS Units **mg/L**
SampID: 23071810-094BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		2000	E	**12000**	4000	8358	90.3	85	115	08/30/2023

Batch R335764 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-094BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		2000	E	**12100**	4000	8358	94.1	11970	1.27	08/30/2023

SW-846 9036 (TOTAL)

Batch R335217 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/17/2023

Batch R335217 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	99.6	90	110	08/17/2023

Batch R335341 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/21/2023

Batch R335341 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	98.0	90	110	08/21/2023

Batch R335452 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/23/2023

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9036 (TOTAL)

Batch R335452 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.9	90	110	08/23/2023

Batch R335683 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/29/2023

Batch R335683 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.0	90	110	08/29/2023

Batch R335683 **SampType:** MS Units **mg/L**
SampID: 23071810-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**299**	200.0	125.8	86.5	85	115	08/29/2023

Batch R335683 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**297**	200.0	125.8	85.4	298.9	0.72	08/29/2023

Batch R335683 **SampType:** MS Units **mg/L**
SampID: 23071810-017AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100	S	**258**	200.0	102.8	77.4	85	115	08/29/2023

Batch R335683 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-017AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100	S	**253**	200.0	102.8	75.2	257.7	1.73	08/29/2023

Batch R335764 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9036 (TOTAL)

Batch R335764 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	96.6	90	110	08/30/2023

Batch R335764 **SampType:** MS Units **mg/L**
SampID: 23071810-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	E	**112**	40.00	77.15	86.9	85	115	08/30/2023

Batch R335764 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**115**	40.00	77.15	94.6	111.9	2.74	08/30/2023

Batch R335764 **SampType:** MS Units **mg/L**
SampID: 23071810-043AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**465**	200.0	286.4	89.5	85	115	08/30/2023

Batch R335764 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-043AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**471**	200.0	286.4	92.2	465.4	1.15	08/30/2023

Batch R335764 **SampType:** MS Units **mg/L**
SampID: 23071810-101AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	S	**172**	100.0	87.16	84.7	85	115	08/30/2023

Batch R335764 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-101AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**183**	100.0	87.16	96.0	171.9	6.37	08/30/2023

Batch R335914 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	09/01/2023

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9036 (TOTAL)

Batch R335914 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	98.7	90	110	09/01/2023

Batch R336010 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	09/06/2023

Batch R336010 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	97.0	90	110	09/06/2023

Batch R336163 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	09/08/2023

Batch R336163 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**18**	20.00	0	91.5	90	110	09/08/2023

SW-846 9060A

Batch R335646 **SampType:** MBLK Units **mg/L**
SampID: FILTER MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	08/28/2023

Batch R335646 **SampType:** MBLK Units **mg/L**
SampID: MB-R335646

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	08/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9060A

Batch R335646 **SampType:** LCS Units **mg/L**
SampID: LCS-R335646

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**4.7**	5.000	0	93.8	90	110	08/28/2023

Batch R335646 **SampType:** MS Units **mg/L**
SampID: 23071810-025GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0	S	**4.9**	5.000	1.350	71.2	85	115	08/28/2023

Batch R335646 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-025GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0	S	**5.4**	5.000	1.350	80.6	4.910	9.14	08/28/2023

Batch R335646 **SampType:** MS Units **mg/L**
SampID: 23071810-037GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**5.2**	5.000	0.8400	86.6	85	115	08/28/2023

Batch R335646 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-037GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0	S	**4.9**	5.000	0.8400	81.4	5.170	5.16	08/28/2023

Batch R335646 **SampType:** MS Units **mg/L**
SampID: 23071810-060FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**6.4**	5.000	1.840	90.2	85	115	08/29/2023

Batch R335646 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-060FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0		**6.4**	5.000	1.840	92.0	6.350	1.41	08/29/2023

Batch R335851 **SampType:** MBLK Units **mg/L**
SampID: FILTER MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	08/31/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9060A

Batch R335851 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	08/31/2023

Batch R335851 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**4.9**	5.000	0	97.8	90	110	08/31/2023

Batch R335851 **SampType:** MS Units **mg/L**
SampID: 23071810-037FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.0**	5.000	1.210	95.2	85	115	08/31/2023

Batch R335851 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-037FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.2**	5.000	1.210	98.8	5.970	2.97	08/31/2023

Batch R335851 **SampType:** MS Units **mg/L**
SampID: 23071810-065FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**6.0**	5.000	1.330	94.4	85	115	08/31/2023

Batch R335851 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-065FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0		**6.2**	5.000	1.330	96.4	6.050	1.64	08/31/2023

Batch R335851 **SampType:** MS Units **mg/L**
SampID: 23071810-073EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0	E	**12.4**	5.000	7.650	94.2	85	115	08/31/2023

Batch R335851 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-073EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0	E	**12.4**	5.000	7.650	94.0	12.36	0.08	08/31/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9060A

Batch R335851 **SampType:** MS Units **mg/L**
SampID: 23071810-077GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**5.7**	5.000	0.8800	96.6	85	115	08/31/2023

Batch R335851 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-077GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0		**5.8**	5.000	0.8800	98.0	5.710	1.22	08/31/2023

Batch R335851 **SampType:** MS Units **mg/L**
SampID: 23071810-078FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**7.5**	5.000	2.610	97.6	85	115	09/01/2023

Batch R335851 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-078FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**7.3**	5.000	2.610	94.6	7.490	2.02	09/01/2023

Batch R335851 **SampType:** MS Units **mg/L**
SampID: 23071810-105FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**6.6**	5.000	1.590	99.6	85	115	08/31/2023

Batch R335851 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-105FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Dissolved Organic Carbon		1.0		**6.3**	5.000	1.590	94.4	6.570	4.04	08/31/2023

Batch R335935 **SampType:** MBLK Units **mg/L**
SampID: FILTER MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	09/05/2023

Batch R335935 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	09/05/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9060A

Batch R335935 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**4.5**	5.000	0	90.4	90	110	09/05/2023

Batch R335935 **SampType:** MS Units **mg/L**
SampID: 23071810-052EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.3**	5.000	1.600	93.2	85	115	09/05/2023

Batch R335935 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23071810-052EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.9**	5.000	1.600	86.2	6.260	5.75	09/05/2023

Batch R336068 **SampType:** MBLK Units **mg/L**
SampID: FILTER MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	09/07/2023

Batch R336068 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	09/07/2023

Batch R336068 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**4.9**	5.000	0	97.8	90	110	09/07/2023

SW-846 9066 (TOTAL)

Batch R335106 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9066 (TOTAL)

Batch R335106 **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		**0.053**	0.0500	0	107.0	90	110	08/16/2023

Batch R335106 **SampType:** MS Units **µg/L**
SampID: 23071810-002FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**54**	50.00	0	108.1	85	115	08/16/2023

Batch R335106 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 23071810-002FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**54**	50.00	0	108.0	54.07	0.11	08/16/2023

Batch R335106 **SampType:** MS Units **µg/L**
SampID: 23071810-004FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**57**	50.00	3.490	106.5	85	115	08/16/2023

Batch R335106 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 23071810-004FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**56**	50.00	3.490	104.9	56.76	1.47	08/16/2023

Batch R335286 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	08/21/2023

Batch R335286 **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		**0.049**	0.0500	0	98.0	90	110	08/21/2023

Batch R335286 **SampType:** MS Units **µg/L**
SampID: 23071810-028FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5	S	**59**	50.00	0	117.2	85	115	08/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9066 (TOTAL)

Batch R335286 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 23071810-028FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5	S	**67**	50.00	0	134.2	58.61	13.51	08/21/2023

Batch R335286 **SampType:** MS Units µg/L
SampID: 23071810-030FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5	S	**86**	50.00	0	172.8	85	115	08/21/2023

Batch R335286 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 23071810-030FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5	R	**49**	50.00	0	97.8	86.41	55.44	08/21/2023

Batch R335407 **SampType:** MBLK Units mg/L
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	08/23/2023

Batch R335407 **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		**0.048**	0.0500	0	97.0	90	110	08/23/2023

SW-846 9214 (DISSOLVED)

Batch R334963 **SampType:** MS Units mg/L
SampID: 23071810-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.50**	2.000	0.3860	105.8	75	125	08/14/2023

Batch R334963 **SampType:** MSD Units mg/L RPD Limit 15
SampID: 23071810-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.44**	2.000	0.3860	102.8	2.502	2.39	08/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9214 (DISSOLVED)

Batch R334963 **SampType:** MS Units **mg/L**
SampID: 23071810-095BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.31**	2.000	0.3320	98.9	75	125	08/14/2023

Batch R334963 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-095BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.3320	97.7	2.310	1.04	08/14/2023

Batch R335028 **SampType:** MS Units **mg/L**
SampID: 23071810-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.18**	2.000	0.2160	98.0	75	125	08/15/2023

Batch R335028 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.15**	2.000	0.2160	96.9	2.175	0.97	08/15/2023

Batch R335028 **SampType:** MS Units **mg/L**
SampID: 23071810-108BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.12**	2.000	0.2560	93.0	75	125	08/15/2023

Batch R335028 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-108BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.13**	2.000	0.2560	93.6	2.117	0.52	08/15/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-029BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.61**	2.000	0.4790	106.4	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-029BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.57**	2.000	0.4790	104.4	2.607	1.51	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9214 (DISSOLVED)

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-036BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.43**	2.000	0.3570	103.8	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-036BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.3570	102.4	2.434	1.16	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.38**	2.000	0.3380	102.2	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.38**	2.000	0.3380	102.0	2.381	0.13	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-107BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.97**	2.000	0	98.4	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-107BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.00**	2.000	0	100.2	1.968	1.81	08/16/2023

SW-846 9214 (TOTAL)

Batch R334963 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	08/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9214 (TOTAL)

Batch R334963 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.97**	1.000	0	97.0	90	110	08/14/2023

Batch R334963 **SampType:** MS Units **mg/L**
SampID: 23071810-071AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.68**	2.000	0.6470	101.6	75	125	08/14/2023

Batch R334963 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-071AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.68**	2.000	0.6470	101.6	2.678	0.04	08/14/2023

Batch R334963 **SampType:** MS Units **mg/L**
SampID: 23071810-105AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.92**	2.000	0.5610	118.0	75	125	08/14/2023

Batch R334963 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-105AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.76**	2.000	0.5610	109.8	2.921	5.78	08/14/2023

Batch R335028 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	08/15/2023

Batch R335028 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.94**	1.000	0	94.2	90	110	08/15/2023

Batch R335102 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**< 0.10**	0.0500	0	0	-100	100	08/16/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

SW-846 9214 (TOTAL)

Batch R335102 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.00**	1.000	0	99.6	90	110	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-034AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.3700	104.0	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-034AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.46**	2.000	0.3700	104.8	2.451	0.57	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-043AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.3240	98.2	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-043AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.3240	99.6	2.289	1.13	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-061AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.50**	2.000	0.4880	100.8	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-061AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.55**	2.000	0.4880	103.1	2.505	1.78	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-075AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.99**	2.000	0.1940	89.9	75	125	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9214 (TOTAL)

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-075AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.05**	2.000	0.1940	92.8	1.992	2.92	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-095AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.36**	2.000	0.3380	101.2	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-095AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.42**	2.000	0.3380	104.2	2.361	2.51	08/16/2023

Batch R335102 **SampType:** MS Units **mg/L**
SampID: 23071810-110AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.30**	2.000	0.3160	99.4	75	125	08/16/2023

Batch R335102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-110AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.27**	2.000	0.3160	97.8	2.304	1.44	08/16/2023

SW-846 9251 (DISSOLVED)

Batch R335223 **SampType:** MS Units **mg/L**
SampID: 23071810-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**270**	200.0	87.24	91.4	85	115	08/18/2023

Batch R335223 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**268**	200.0	87.24	90.6	270.0	0.61	08/18/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9251 (DISSOLVED)

Batch R335354 **SampType:** MS Units **mg/L**
SampID: 23071810-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**51**	20.00	33.70	85.7	85	115	08/21/2023

Batch R335354 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**51**	20.00	33.70	85.5	50.83	0.06	08/21/2023

Batch R335354 **SampType:** MS Units **mg/L**
SampID: 23071810-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**225**	200.0	45.35	89.7	85	115	08/21/2023

Batch R335354 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**224**	200.0	45.35	89.5	224.7	0.12	08/21/2023

Batch R335354 **SampType:** MS Units **mg/L**
SampID: 23071810-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**23**	20.00	4.140	92.3	85	115	08/21/2023

Batch R335354 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**23**	20.00	4.140	92.5	22.60	0.18	08/21/2023

Batch R335354 **SampType:** MS Units **mg/L**
SampID: 23071810-037BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**286**	200.0	116.1	85.1	85	115	08/21/2023

Batch R335354 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-037BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**286**	200.0	116.1	85.0	286.3	0.04	08/21/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

SW-846 9251 (DISSOLVED)

Batch R335479 **SampType:** MS Units **mg/L**
SampID: 23071810-053BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**65**	40.00	28.74	91.6	85	115	08/23/2023

Batch R335479 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-053BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**66**	40.00	28.74	94.4	65.37	1.71	08/23/2023

Batch R335479 **SampType:** MS Units **mg/L**
SampID: 23071810-069BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**57**	40.00	21.57	88.1	85	115	08/23/2023

Batch R335479 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-069BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**57**	40.00	21.57	89.1	56.82	0.68	08/23/2023

Batch R335479 **SampType:** MS Units **mg/L**
SampID: 23071810-101BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**230**	200.0	41.06	94.7	85	115	08/24/2023

Batch R335479 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-101BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**229**	200.0	41.06	94.0	230.4	0.55	08/24/2023

Batch R335729 **SampType:** MS Units **mg/L**
SampID: 23071810-062BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0.9900	94.8	85	115	08/29/2023

Batch R335729 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-062BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	0.9900	96.0	19.95	1.20	08/29/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9251 (DISSOLVED)

Batch R335780 **SampType:** MS Units **mg/L**
SampID: 23071810-094BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		400		**3020**	2000	1271	87.5	85	115	08/30/2023

Batch R335780 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-094BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		400		**3080**	2000	1271	90.4	3020	1.89	08/30/2023

SW-846 9251 (TOTAL)

Batch R335223 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/17/2023

Batch R335223 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	100.8	90	110	08/17/2023

Batch R335354 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/21/2023

Batch R335354 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.6	90	110	08/21/2023

Batch R335479 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/23/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9251 (TOTAL)

Batch R335479 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	101.8	90	110	08/23/2023

Batch R335479 **SampType:** MS Units **mg/L**
SampID: 23071810-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**66**	40.00	30.93	86.6	85	115	08/24/2023

Batch R335479 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**67**	40.00	30.93	90.3	65.58	2.23	08/24/2023

Batch R335729 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/29/2023

Batch R335729 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	100.6	90	110	08/29/2023

Batch R335729 **SampType:** MS Units **mg/L**
SampID: 23071810-017AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**270**	200.0	81.59	94.1	85	115	08/29/2023

Batch R335729 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-017AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**268**	200.0	81.59	93.0	269.8	0.81	08/29/2023

Batch R335729 **SampType:** MS Units **mg/L**
SampID: 23071810-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**61**	20.00	42.33	93.0	85	115	08/29/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9251 (TOTAL)

Batch R335729 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**60**	20.00	42.33	89.3	60.92	1.21	08/29/2023

Batch R335780 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/30/2023

Batch R335780 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	99.7	90	110	08/30/2023

Batch R335780 **SampType:** MS Units **mg/L**
SampID: 23071810-043AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**29**	20.00	11.31	87.8	85	115	08/30/2023

Batch R335780 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-043AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**29**	20.00	11.31	87.8	28.87	0.00	08/30/2023

Batch R335780 **SampType:** MS Units **mg/L**
SampID: 23071810-101AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**140**	100.0	45.31	94.3	85	115	08/30/2023

Batch R335780 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-101AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**142**	100.0	45.31	96.9	139.6	1.89	08/30/2023

Batch R335932 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 9251 (TOTAL)

Batch R335932 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	102.0	90	110	09/01/2023

Batch R336035 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	09/06/2023

Batch R336035 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	0	103.2	90	110	09/06/2023

Batch R336144 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	09/08/2023

Batch R336144 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211677

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride	*	4		**< 4**	0.5000	0	0	-100	100	09/08/2023

Batch R336144 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**19**	20.00	0	95.6	90	110	09/08/2023

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210784 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210784

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/14/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/14/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/14/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/14/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/14/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/14/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/14/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/14/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/14/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/14/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/14/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/14/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/14/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/14/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/14/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/14/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/14/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/14/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/14/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/14/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/14/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/14/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/14/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210784 **SampType:** LCS Units **mg/L**
SampID: LCS-210784

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.74**	2.000	0	87.2	85	115	08/14/2023
Antimony		0.0500		**0.463**	0.5000	0	92.5	85	115	08/14/2023
Arsenic		0.0250		**0.479**	0.5000	0	95.8	85	115	08/14/2023
Barium		0.0025		**1.88**	2.000	0	94.0	85	115	08/14/2023
Beryllium		0.0005		**0.0449**	0.0500	0	89.8	85	115	08/14/2023
Boron		0.0200		**0.450**	0.5000	0	89.9	85	115	08/14/2023
Cadmium		0.0020		**0.0501**	0.0500	0	100.2	85	115	08/14/2023
Calcium		0.100		**2.34**	2.500	0	93.7	85	115	08/14/2023
Chromium		0.0050		**0.182**	0.2000	0	91.0	85	115	08/14/2023
Cobalt		0.0050		**0.449**	0.5000	0	89.8	85	115	08/14/2023
Copper		0.0050		**0.230**	0.2500	0	92.1	85	115	08/14/2023
Iron		0.0400		**1.85**	2.000	0	92.7	85	115	08/14/2023
Lead		0.0150		**0.459**	0.5000	0	91.7	85	115	08/14/2023
Magnesium		0.0500		**2.16**	2.500	0	86.3	85	115	08/14/2023
Manganese		0.0070		**0.436**	0.5000	0	87.3	85	115	08/14/2023
Molybdenum		0.0100		**0.452**	0.5000	0	90.4	85	115	08/14/2023
Nickel		0.0050		**0.466**	0.5000	0	93.2	85	115	08/14/2023
Potassium		0.100		**2.53**	2.500	0	101.3	85	115	08/14/2023
Selenium		0.0400		**0.443**	0.5000	0	88.6	85	115	08/14/2023
Silver		0.0070		**0.0485**	0.0500	0	97.0	85	115	08/14/2023
Sodium		0.0500		**2.35**	2.500	0	94.1	85	115	08/14/2023
Thallium		0.0500		**0.220**	0.2500	0	88.2	85	115	08/14/2023
Vanadium		0.0100		**0.463**	0.5000	0	92.6	85	115	08/14/2023
Zinc		0.0100		**0.460**	0.5000	0	92.0	85	115	08/14/2023

Batch 210784 **SampType:** MS Units **mg/L**
SampID: 23071810-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**71.5**	2.500	70.76	31.2	75	125	08/14/2023
Magnesium		0.0500	S	**32.4**	2.500	30.84	61.9	75	125	08/14/2023
Potassium		0.100		**2.91**	2.500	0.4298	99.3	75	125	08/14/2023
Sodium		0.0500	S	**63.8**	2.500	62.24	61.6	75	125	08/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210784 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**72.3**	2.500	70.76	61.2	71.54	1.04	08/14/2023
Magnesium		0.0500	S	**32.7**	2.500	30.84	72.4	32.39	0.81	08/14/2023
Potassium		0.100		**2.88**	2.500	0.4298	98.0	2.912	1.09	08/14/2023
Sodium		0.0500		**64.2**	2.500	62.24	78.0	63.78	0.64	08/14/2023

Batch 210814 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210814

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/15/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/15/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/15/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/15/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/15/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/15/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/15/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/15/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/15/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/15/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/15/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/15/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/15/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/15/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/15/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/15/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/15/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/15/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/15/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/15/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/15/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/15/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/15/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210814 **SampType:** LCS Units **mg/L**
SampID: LCS-210814

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.79**	2.000	0	89.3	85	115	08/15/2023
Antimony		0.0500		**0.460**	0.5000	0	91.9	85	115	08/15/2023
Arsenic		0.0250		**0.495**	0.5000	0	99.0	85	115	08/15/2023
Barium		0.0025		**1.80**	2.000	0	90.0	85	115	08/15/2023
Beryllium		0.0005		**0.0459**	0.0500	0	91.8	85	115	08/15/2023
Boron		0.0200		**0.466**	0.5000	0	93.3	85	115	08/15/2023
Cadmium		0.0020		**0.0473**	0.0500	0	94.6	85	115	08/15/2023
Calcium		0.100		**2.38**	2.500	0	95.2	85	115	08/15/2023
Chromium		0.0050		**0.182**	0.2000	0	90.8	85	115	08/15/2023
Cobalt		0.0050		**0.464**	0.5000	0	92.8	85	115	08/15/2023
Copper		0.0050		**0.231**	0.2500	0	92.3	85	115	08/15/2023
Iron		0.0400		**1.81**	2.000	0	90.6	85	115	08/15/2023
Lead		0.0150		**0.463**	0.5000	0	92.6	85	115	08/15/2023
Magnesium		0.0500		**2.20**	2.500	0	87.9	85	115	08/15/2023
Manganese		0.0070		**0.451**	0.5000	0	90.2	85	115	08/15/2023
Molybdenum		0.0100		**0.445**	0.5000	0	89.0	85	115	08/15/2023
Nickel		0.0050		**0.470**	0.5000	0	94.0	85	115	08/15/2023
Potassium		0.100		**2.53**	2.500	0	101.3	85	115	08/15/2023
Selenium		0.0400		**0.474**	0.5000	0	94.9	85	115	08/15/2023
Silver		0.0070		**0.0440**	0.0500	0	88.0	85	115	08/15/2023
Sodium		0.0500		**2.27**	2.500	0	90.9	85	115	08/15/2023
Thallium		0.0500		**0.244**	0.2500	0	97.4	85	115	08/15/2023
Vanadium		0.0100		**0.450**	0.5000	0	90.1	85	115	08/15/2023
Zinc		0.0100		**0.468**	0.5000	0	93.7	85	115	08/15/2023

Batch 210814 **SampType:** MS Units **mg/L**
SampID: 23071810-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**74.5**	5.000	71.35	63.8	75	125	08/15/2023
Magnesium		0.0500	S	**35.1**	5.000	31.51	72.5	75	125	08/15/2023
Potassium		0.100		**6.18**	5.000	1.150	100.5	75	125	08/15/2023
Sodium		0.0500	S	**53.4**	5.000	51.02	47.4	75	125	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210814 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**74.6**	5.000	71.35	64.8	74.54	0.07	08/15/2023
Magnesium		0.0500	S	**35.0**	5.000	31.51	70.1	35.14	0.35	08/15/2023
Potassium		0.100		**5.77**	5.000	1.150	92.3	6.177	6.87	08/15/2023
Sodium		0.0500	S	**53.1**	5.000	51.02	42.2	53.39	0.49	08/15/2023

Batch 210814 **SampType:** MS Units **mg/L**
SampID: 23071810-016CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**82.7**	2.500	80.23	99.2	75	125	08/15/2023
Magnesium		0.0500		**39.0**	2.500	36.68	94.1	75	125	08/15/2023
Potassium		0.100		**2.95**	2.500	0.3913	102.2	75	125	08/15/2023
Sodium		0.0500	S	**54.3**	2.500	52.86	57.2	75	125	08/15/2023

Batch 210814 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-016CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**83.1**	2.500	80.23	113.2	82.71	0.42	08/15/2023
Magnesium		0.0500		**38.9**	2.500	36.68	88.5	39.03	0.36	08/15/2023
Potassium		0.100		**2.91**	2.500	0.3913	100.9	2.946	1.15	08/15/2023
Sodium		0.0500	S	**54.1**	2.500	52.86	48.0	54.29	0.42	08/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210815 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210815

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/15/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/15/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/15/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/15/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/15/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/15/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/15/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/15/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/15/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/15/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/15/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/15/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/15/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/15/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/15/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/15/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/15/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/15/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/15/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	08/15/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/15/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/15/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/15/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/15/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210815 **SampType:** LCS Units **mg/L**
SampID: LCS-210815

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.79**	2.000	0	89.3	85	115	08/15/2023
Antimony		0.0500		**0.468**	0.5000	0	93.6	85	115	08/15/2023
Arsenic		0.0250		**0.495**	0.5000	0	99.0	85	115	08/15/2023
Barium		0.0025		**1.79**	2.000	0	89.3	85	115	08/15/2023
Beryllium		0.0005		**0.0462**	0.0500	0	92.4	85	115	08/15/2023
Boron		0.0200		**0.468**	0.5000	0	93.6	85	115	08/15/2023
Cadmium		0.0020		**0.0487**	0.0500	0	97.4	85	115	08/15/2023
Calcium		0.100		**2.37**	2.500	0	94.7	85	115	08/15/2023
Chromium		0.0050		**0.183**	0.2000	0	91.4	85	115	08/15/2023
Cobalt		0.0050		**0.467**	0.5000	0	93.3	85	115	08/15/2023
Copper		0.0050		**0.229**	0.2500	0	91.6	85	115	08/15/2023
Iron		0.0400		**1.82**	2.000	0	91.1	85	115	08/15/2023
Lead		0.0150		**0.472**	0.5000	0	94.3	85	115	08/15/2023
Magnesium		0.0500		**2.22**	2.500	0	89.0	85	115	08/15/2023
Manganese		0.0070		**0.452**	0.5000	0	90.5	85	115	08/15/2023
Molybdenum		0.0100		**0.449**	0.5000	0	89.9	85	115	08/15/2023
Nickel		0.0050		**0.478**	0.5000	0	95.7	85	115	08/15/2023
Potassium		0.100		**2.50**	2.500	0	99.9	85	115	08/15/2023
Selenium		0.0400		**0.480**	0.5000	0	95.9	85	115	08/15/2023
Silicon	*	0.0500		**0.443**	0.5000	0	88.6	85	115	08/15/2023
Silver		0.0070		**0.0437**	0.0500	0	87.4	85	115	08/15/2023
Sodium		0.0500		**2.27**	2.500	0	90.7	85	115	08/15/2023
Thallium		0.0500		**0.236**	0.2500	0	94.6	85	115	08/15/2023
Vanadium		0.0100		**0.453**	0.5000	0	90.6	85	115	08/15/2023
Zinc		0.0100		**0.473**	0.5000	0	94.7	85	115	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210815 **SampType:** MS Units **mg/L**
SampID: 23071810-034DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.80**	2.000	0	90.0	75	125	08/15/2023
Arsenic		0.0250		**0.512**	0.5000	0	102.5	75	125	08/15/2023
Barium		0.0025		**1.88**	2.000	0.07570	90.1	75	125	08/15/2023
Beryllium		0.0005		**0.0469**	0.0500	0	93.8	75	125	08/15/2023
Boron		0.0200		**0.471**	0.5000	0	94.2	75	125	08/15/2023
Cadmium		0.0020		**0.0472**	0.0500	0	94.4	75	125	08/15/2023
Chromium		0.0050		**0.183**	0.2000	0	91.7	75	125	08/15/2023
Copper		0.0050		**0.234**	0.2500	0	93.6	75	125	08/15/2023
Iron		0.0400		**1.81**	2.000	0	90.3	75	125	08/15/2023
Lead		0.0150		**0.460**	0.5000	0	92.1	75	125	08/15/2023
Manganese		0.0070		**0.490**	0.5000	0.03660	90.7	75	125	08/15/2023
Molybdenum		0.0100		**0.458**	0.5000	0	91.6	75	125	08/15/2023
Nickel		0.0050		**0.478**	0.5000	0	95.5	75	125	08/15/2023
Silver		0.0070		**0.0444**	0.0500	0	88.8	75	125	08/15/2023
Zinc		0.0100		**0.480**	0.5000	0	96.0	75	125	08/15/2023

Batch 210815 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-034DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.79**	2.000	0	89.4	1.799	0.64	08/15/2023
Arsenic		0.0250		**0.511**	0.5000	0	102.3	0.5125	0.23	08/15/2023
Barium		0.0025		**1.87**	2.000	0.07570	89.5	1.878	0.60	08/15/2023
Beryllium		0.0005		**0.0467**	0.0500	0	93.4	0.04690	0.43	08/15/2023
Boron		0.0200		**0.470**	0.5000	0	94.0	0.4711	0.21	08/15/2023
Cadmium		0.0020		**0.0472**	0.0500	0	94.4	0.04720	0.00	08/15/2023
Chromium		0.0050		**0.183**	0.2000	0	91.7	0.1834	0.05	08/15/2023
Copper		0.0050		**0.235**	0.2500	0	94.0	0.2339	0.47	08/15/2023
Iron		0.0400		**1.80**	2.000	0	90.2	1.806	0.08	08/15/2023
Lead		0.0150		**0.461**	0.5000	0	92.2	0.4603	0.11	08/15/2023
Manganese		0.0070		**0.490**	0.5000	0.03660	90.7	0.4901	0.04	08/15/2023
Molybdenum		0.0100		**0.458**	0.5000	0	91.5	0.4580	0.07	08/15/2023
Nickel		0.0050		**0.476**	0.5000	0	95.3	0.4775	0.25	08/15/2023
Silver		0.0070		**0.0445**	0.0500	0	89.0	0.04440	0.22	08/15/2023
Zinc		0.0100		**0.480**	0.5000	0	95.9	0.4802	0.15	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210815 **SampType:** MS Units **mg/L**
SampID: 23071810-036DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.83**	2.000	0	91.6	75	125	08/15/2023
Arsenic		0.0250		**0.514**	0.5000	0	102.8	75	125	08/15/2023
Barium		0.0025		**1.86**	2.000	0.05010	90.3	75	125	08/15/2023
Beryllium		0.0005		**0.0461**	0.0500	0	92.2	75	125	08/15/2023
Boron		0.0200		**1.47**	0.5000	1.000	94.4	75	125	08/15/2023
Cadmium		0.0020		**0.0473**	0.0500	0	94.6	75	125	08/15/2023
Chromium		0.0050		**0.182**	0.2000	0	90.8	75	125	08/15/2023
Copper		0.0050		**0.234**	0.2500	0	93.5	75	125	08/15/2023
Iron		0.0400		**7.54**	2.000	5.680	93.0	75	125	08/15/2023
Lead		0.0150		**0.452**	0.5000	0	90.5	75	125	08/15/2023
Manganese		0.0070		**0.976**	0.5000	0.5338	88.4	75	125	08/15/2023
Molybdenum		0.0100		**0.458**	0.5000	0	91.6	75	125	08/15/2023
Nickel		0.0050		**0.470**	0.5000	0	94.0	75	125	08/15/2023
Silver		0.0070		**0.0458**	0.0500	0	91.6	75	125	08/15/2023
Zinc		0.0100		**0.474**	0.5000	0	94.8	75	125	08/15/2023

Batch 210815 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-036DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.83**	2.000	0	91.7	1.832	0.08	08/15/2023
Arsenic		0.0250		**0.519**	0.5000	0	103.8	0.5140	0.93	08/15/2023
Barium		0.0025		**1.86**	2.000	0.05010	90.7	1.856	0.42	08/15/2023
Beryllium		0.0005		**0.0465**	0.0500	0	93.0	0.04610	0.86	08/15/2023
Boron		0.0200		**1.48**	0.5000	1.000	95.8	1.472	0.48	08/15/2023
Cadmium		0.0020		**0.0469**	0.0500	0	93.8	0.04730	0.85	08/15/2023
Chromium		0.0050		**0.182**	0.2000	0	91.2	0.1816	0.44	08/15/2023
Copper		0.0050		**0.237**	0.2500	0	94.7	0.2337	1.28	08/15/2023
Iron		0.0400		**7.59**	2.000	5.680	95.5	7.540	0.66	08/15/2023
Lead		0.0150		**0.456**	0.5000	0	91.1	0.4525	0.68	08/15/2023
Manganese		0.0070		**0.983**	0.5000	0.5338	89.8	0.9760	0.71	08/15/2023
Molybdenum		0.0100		**0.457**	0.5000	0	91.4	0.4579	0.17	08/15/2023
Nickel		0.0050		**0.473**	0.5000	0	94.6	0.4700	0.68	08/15/2023
Silver		0.0070		**0.0466**	0.0500	0	93.2	0.04580	1.73	08/15/2023
Zinc		0.0100		**0.478**	0.5000	0	95.6	0.4741	0.84	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210825 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210825

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/16/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/16/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/16/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/16/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/16/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/16/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/16/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/16/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/16/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/16/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/16/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/16/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/16/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/16/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/16/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/16/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/16/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/16/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	08/16/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/16/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/16/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/16/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/16/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210825 **SampType:** LCS Units **mg/L**
SampID: LCS-210825

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.77**	2.000	0	88.3	85	115	08/16/2023
Antimony		0.0500		**0.448**	0.5000	0	89.7	85	115	08/16/2023
Arsenic		0.0250		**0.443**	0.5000	0	88.5	85	115	08/16/2023
Barium		0.0025		**1.82**	2.000	0	91.2	85	115	08/16/2023
Beryllium		0.0005		**0.0433**	0.0500	0	86.6	85	115	08/16/2023
Boron		0.0200		**0.436**	0.5000	0	87.2	85	115	08/16/2023
Cadmium		0.0020		**0.0434**	0.0500	0	86.8	85	115	08/16/2023
Calcium		0.100		**2.38**	2.500	0	95.3	85	115	08/16/2023
Chromium		0.0050		**0.175**	0.2000	0	87.5	85	115	08/16/2023
Cobalt		0.0050		**0.441**	0.5000	0	88.2	85	115	08/16/2023
Copper		0.0050		**0.230**	0.2500	0	92.0	85	115	08/16/2023
Iron		0.0400		**1.74**	2.000	0	87.2	85	115	08/16/2023
Lead		0.0150		**0.430**	0.5000	0	86.0	85	115	08/16/2023
Magnesium		0.0500		**2.30**	2.500	0	92.0	85	115	08/17/2023
Manganese		0.0070		**0.435**	0.5000	0	87.0	85	115	08/16/2023
Molybdenum		0.0100		**0.428**	0.5000	0	85.7	85	115	08/16/2023
Nickel		0.0050		**0.437**	0.5000	0	87.3	85	115	08/16/2023
Potassium		0.100		**2.50**	2.500	0	100.1	85	115	08/16/2023
Selenium		0.0400		**0.425**	0.5000	0	85.0	85	115	08/16/2023
Silicon	*	0.0500		**0.451**	0.5000	0	90.2	85	115	08/16/2023
Silver		0.0070		**0.0464**	0.0500	0	92.8	85	115	08/16/2023
Sodium		0.0500		**2.28**	2.500	0	91.1	85	115	08/16/2023
Thallium		0.0500		**0.220**	0.2500	0	88.0	85	115	08/16/2023
Vanadium		0.0100		**0.439**	0.5000	0	87.8	85	115	08/16/2023
Zinc		0.0100		**0.438**	0.5000	0	87.6	85	115	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210825 **SampType:** MS Units **mg/L**
SampID: 23071810-082DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.80**	2.000	0.02590	88.8	75	125	08/16/2023
Arsenic		0.0250		**0.478**	0.5000	0	95.7	75	125	08/16/2023
Boron		0.0200		**0.569**	0.5000	0.1270	88.3	75	125	08/16/2023
Copper		0.0050		**0.240**	0.2500	0	95.9	75	125	08/16/2023
Iron		0.0400		**2.73**	2.000	0.8447	94.3	75	125	08/16/2023
Lead		0.0150		**0.432**	0.5000	0	86.3	75	125	08/16/2023
Manganese		0.0070		**3.36**	0.5000	2.966	78.6	75	125	08/16/2023
Nickel		0.0050		**0.436**	0.5000	0	87.1	75	125	08/16/2023
Silver		0.0070		**0.0502**	0.0500	0.003200	94.0	75	125	08/16/2023
Zinc		0.0100		**0.452**	0.5000	0	90.3	75	125	08/16/2023

Batch 210825 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-082DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.81**	2.000	0.02590	89.1	1.802	0.38	08/16/2023
Arsenic		0.0250		**0.471**	0.5000	0	94.1	0.4783	1.60	08/16/2023
Boron		0.0200		**0.567**	0.5000	0.1270	88.0	0.5686	0.25	08/16/2023
Copper		0.0050		**0.237**	0.2500	0	94.9	0.2398	1.09	08/16/2023
Iron		0.0400		**2.72**	2.000	0.8447	93.8	2.730	0.37	08/16/2023
Lead		0.0150		**0.429**	0.5000	0	85.9	0.4316	0.51	08/16/2023
Manganese		0.0070		**3.36**	0.5000	2.966	78.5	3.359	0.01	08/16/2023
Nickel		0.0050		**0.435**	0.5000	0	87.1	0.4356	0.07	08/16/2023
Silver		0.0070		**0.0497**	0.0500	0.003200	93.0	0.05020	1.00	08/16/2023
Zinc		0.0100		**0.446**	0.5000	0	89.2	0.4517	1.27	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210902 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210902

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/16/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/16/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/16/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/16/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/16/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/16/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/16/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/16/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/16/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/16/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/16/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/16/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/16/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/16/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/16/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/16/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/16/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/16/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	08/16/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/16/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/16/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/16/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/16/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210902 **SampType:** LCS Units **mg/L**
SampID: LCS-210902

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.78**	2.000	0	89.2	85	115	08/16/2023
Antimony		0.0500		**0.451**	0.5000	0	90.2	85	115	08/16/2023
Arsenic		0.0250		**0.450**	0.5000	0	90.0	85	115	08/16/2023
Barium		0.0025		**1.84**	2.000	0	92.1	85	115	08/16/2023
Beryllium		0.0005		**0.0438**	0.0500	0	87.6	85	115	08/16/2023
Boron		0.0200		**0.449**	0.5000	0	89.9	85	115	08/16/2023
Cadmium		0.0020		**0.0499**	0.0500	0	99.8	85	115	08/17/2023
Calcium		0.100		**2.40**	2.500	0	96.0	85	115	08/16/2023
Chromium		0.0050		**0.180**	0.2000	0	90.1	85	115	08/16/2023
Cobalt		0.0050		**0.462**	0.5000	0	92.4	85	115	08/16/2023
Copper		0.0050		**0.239**	0.2500	0	95.7	85	115	08/16/2023
Iron		0.0400		**1.78**	2.000	0	88.8	85	115	08/16/2023
Lead		0.0150		**0.440**	0.5000	0	87.9	85	115	08/16/2023
Magnesium		0.0500		**2.29**	2.500	0	91.5	85	115	08/17/2023
Manganese		0.0070		**0.454**	0.5000	0	90.8	85	115	08/16/2023
Molybdenum		0.0100		**0.441**	0.5000	0	88.2	85	115	08/16/2023
Nickel		0.0050		**0.443**	0.5000	0	88.6	85	115	08/16/2023
Potassium		0.100		**2.48**	2.500	0	99.1	85	115	08/16/2023
Selenium		0.0400		**0.432**	0.5000	0	86.3	85	115	08/16/2023
Silicon	*	0.0500		**0.447**	0.5000	0	89.3	85	115	08/16/2023
Silver		0.0070		**0.0460**	0.0500	0	92.0	85	115	08/16/2023
Sodium		0.0500		**2.28**	2.500	0	91.2	85	115	08/16/2023
Thallium		0.0500		**0.223**	0.2500	0	89.1	85	115	08/16/2023
Vanadium		0.0100		**0.445**	0.5000	0	89.0	85	115	08/16/2023
Zinc		0.0100		**0.442**	0.5000	0	88.4	85	115	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210902 **SampType:** MS Units **mg/L**
SampID: 23071810-028DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.79**	2.000	0.02120	88.6	75	125	08/16/2023
Arsenic		0.0250		**0.456**	0.5000	0	91.2	75	125	08/16/2023
Barium		0.0025		**1.91**	2.000	0.09310	91.1	75	125	08/16/2023
Beryllium		0.0005		**0.0446**	0.0500	0	89.2	75	125	08/16/2023
Boron		0.0200		**0.446**	0.5000	0	89.1	75	125	08/16/2023
Cadmium		0.0020		**0.0415**	0.0500	0	83.0	75	125	08/16/2023
Chromium		0.0050		**0.178**	0.2000	0	89.2	75	125	08/16/2023
Copper		0.0050		**0.239**	0.2500	0	95.5	75	125	08/16/2023
Iron		0.0400		**1.77**	2.000	0	88.6	75	125	08/16/2023
Lead		0.0150		**0.431**	0.5000	0	86.1	75	125	08/16/2023
Manganese		0.0070		**0.458**	0.5000	0.003900	90.8	75	125	08/16/2023
Molybdenum		0.0100		**0.442**	0.5000	0	88.5	75	125	08/16/2023
Nickel		0.0050		**0.432**	0.5000	0	86.4	75	125	08/16/2023
Silver		0.0070		**0.0473**	0.0500	0	94.6	75	125	08/16/2023
Zinc		0.0100		**0.446**	0.5000	0	89.3	75	125	08/16/2023

Batch 210902 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-028DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.80**	2.000	0.02120	88.9	1.793	0.39	08/16/2023
Arsenic		0.0250		**0.462**	0.5000	0	92.5	0.4561	1.39	08/16/2023
Barium		0.0025		**1.94**	2.000	0.09310	92.2	1.914	1.19	08/16/2023
Beryllium		0.0005		**0.0443**	0.0500	0	88.6	0.04460	0.67	08/16/2023
Boron		0.0200		**0.452**	0.5000	0	90.3	0.4456	1.32	08/16/2023
Cadmium		0.0020		**0.0418**	0.0500	0	83.6	0.04150	0.72	08/16/2023
Chromium		0.0050		**0.180**	0.2000	0	90.1	0.1784	1.00	08/16/2023
Copper		0.0050		**0.242**	0.2500	0	96.6	0.2388	1.17	08/16/2023
Iron		0.0400		**1.78**	2.000	0	89.2	1.772	0.71	08/16/2023
Lead		0.0150		**0.434**	0.5000	0	86.8	0.4307	0.74	08/16/2023
Manganese		0.0070		**0.458**	0.5000	0.003900	90.9	0.4577	0.15	08/16/2023
Molybdenum		0.0100		**0.450**	0.5000	0	90.0	0.4424	1.68	08/16/2023
Nickel		0.0050		**0.437**	0.5000	0	87.4	0.4321	1.10	08/16/2023
Silver		0.0070		**0.0475**	0.0500	0	95.0	0.04730	0.42	08/16/2023
Zinc		0.0100		**0.450**	0.5000	0	89.9	0.4464	0.74	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210902 **SampType:** MS Units **mg/L**
SampID: 23071810-030DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.81**	2.000	0	90.5	75	125	08/16/2023
Arsenic		0.0250		**0.465**	0.5000	0	93.0	75	125	08/16/2023
Barium		0.0025		**1.88**	2.000	0.04450	91.6	75	125	08/16/2023
Beryllium		0.0005		**0.0446**	0.0500	0	89.2	75	125	08/16/2023
Boron		0.0200		**0.446**	0.5000	0	89.2	75	125	08/16/2023
Cadmium		0.0020		**0.0413**	0.0500	0	82.6	75	125	08/16/2023
Chromium		0.0050		**0.180**	0.2000	0	89.8	75	125	08/16/2023
Copper		0.0050		**0.241**	0.2500	0	96.6	75	125	08/16/2023
Iron		0.0400		**1.78**	2.000	0	89.1	75	125	08/16/2023
Lead		0.0150		**0.428**	0.5000	0	85.6	75	125	08/16/2023
Manganese		0.0070		**0.459**	0.5000	0	91.7	75	125	08/16/2023
Molybdenum		0.0100		**0.446**	0.5000	0	89.2	75	125	08/16/2023
Nickel		0.0050		**0.435**	0.5000	0	87.0	75	125	08/16/2023
Silver		0.0070		**0.0480**	0.0500	0	96.0	75	125	08/16/2023
Zinc		0.0100		**0.450**	0.5000	0	89.9	75	125	08/16/2023

Batch 210902 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-030DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.81**	2.000	0	90.7	1.810	0.18	08/16/2023
Arsenic		0.0250		**0.466**	0.5000	0	93.3	0.4651	0.30	08/16/2023
Barium		0.0025		**1.87**	2.000	0.04450	91.3	1.877	0.33	08/16/2023
Beryllium		0.0005		**0.0443**	0.0500	0	88.6	0.04460	0.67	08/16/2023
Boron		0.0200		**0.447**	0.5000	0	89.4	0.4459	0.20	08/16/2023
Cadmium		0.0020		**0.0410**	0.0500	0	82.0	0.04130	0.73	08/16/2023
Chromium		0.0050		**0.178**	0.2000	0	89.2	0.1795	0.67	08/16/2023
Copper		0.0050		**0.241**	0.2500	0	96.5	0.2414	0.04	08/16/2023
Iron		0.0400		**1.78**	2.000	0	88.9	1.782	0.25	08/16/2023
Lead		0.0150		**0.429**	0.5000	0	85.8	0.4282	0.23	08/16/2023
Manganese		0.0070		**0.458**	0.5000	0	91.6	0.4586	0.17	08/16/2023
Molybdenum		0.0100		**0.444**	0.5000	0	88.9	0.4461	0.40	08/16/2023
Nickel		0.0050		**0.434**	0.5000	0	86.7	0.4349	0.32	08/16/2023
Silver		0.0070		**0.0475**	0.0500	0	95.0	0.04800	1.05	08/16/2023
Zinc		0.0100		**0.450**	0.5000	0	89.9	0.4495	0.04	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210928 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210928

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/16/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/16/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/16/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/16/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/16/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/16/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/16/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/16/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/16/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/16/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/16/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/16/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/16/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/16/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/16/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/16/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/16/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/16/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	08/16/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/16/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/16/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/16/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/16/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210928 **SampType:** LCS Units **mg/L**
SampID: LCS-210928

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.75**	2.000	0	87.7	85	115	08/16/2023
Antimony		0.0500		**0.437**	0.5000	0	87.3	85	115	08/16/2023
Arsenic		0.0250		**0.442**	0.5000	0	88.5	85	115	08/16/2023
Barium		0.0025		**1.83**	2.000	0	91.6	85	115	08/16/2023
Beryllium		0.0005		**0.0431**	0.0500	0	86.2	85	115	08/16/2023
Boron		0.0200		**0.432**	0.5000	0	86.4	85	115	08/16/2023
Cadmium		0.0020		**0.0440**	0.0500	0	88.0	85	115	08/16/2023
Calcium		0.100		**2.37**	2.500	0	94.8	85	115	08/16/2023
Chromium		0.0050		**0.174**	0.2000	0	87.0	85	115	08/16/2023
Cobalt		0.0050		**0.438**	0.5000	0	87.7	85	115	08/16/2023
Copper		0.0050		**0.231**	0.2500	0	92.4	85	115	08/16/2023
Iron		0.0400		**1.75**	2.000	0	87.5	85	115	08/16/2023
Lead		0.0150		**0.430**	0.5000	0	86.0	85	115	08/16/2023
Magnesium		0.0500		**2.33**	2.500	0	93.4	85	115	08/17/2023
Manganese		0.0070		**0.432**	0.5000	0	86.5	85	115	08/16/2023
Molybdenum		0.0100		**0.425**	0.5000	0	85.0	85	115	08/16/2023
Nickel		0.0050		**0.433**	0.5000	0	86.5	85	115	08/16/2023
Potassium		0.100		**2.50**	2.500	0	100.0	85	115	08/16/2023
Silicon	*	0.0500		**0.444**	0.5000	0	88.8	85	115	08/16/2023
Silver		0.0070		**0.0464**	0.0500	0	92.8	85	115	08/16/2023
Sodium		0.0500		**2.28**	2.500	0	91.2	85	115	08/16/2023
Thallium		0.0500		**0.213**	0.2500	0	85.4	85	115	08/16/2023
Vanadium		0.0100		**0.440**	0.5000	0	87.9	85	115	08/16/2023
Zinc		0.0100		**0.436**	0.5000	0	87.3	85	115	08/16/2023

Batch 210928 **SampType:** MS Units **mg/L**
SampID: 23071810-094DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**434**	2.500	440.1	-234.4	75	125	08/16/2023
Magnesium		0.0500	S	**799**	2.500	801.1	-93.1	75	125	08/16/2023
Potassium		2.00	S	**106**	2.500	105.6	20.4	75	125	08/17/2023
Silicon	*	0.0500		**7.27**	0.5000	6.876	79.2	75	125	08/16/2023
Sodium		0.0500	S	**363**	2.500	367.8	-210.0	75	125	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210928 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-094DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**435**	2.500	440.1	-202.8	434.3	0.18	08/16/2023
Magnesium		0.0500	S	**803**	2.500	801.1	69.2	798.7	0.51	08/16/2023
Potassium		2.00	S	**106**	2.500	105.6	3.4	106.1	0.40	08/17/2023
Silicon	*	0.0500		**7.25**	0.5000	6.876	75.1	7.272	0.28	08/16/2023
Sodium		0.0500	S	**364**	2.500	367.8	-164.8	362.6	0.31	08/16/2023

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

Batch 210770 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210770

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/15/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/15/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/15/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/15/2023

Batch 210770 **SampType:** LCS Units **mg/L**
SampID: LCS-210770

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.66**	2.500	0	106.4	85	115	08/15/2023
Magnesium		0.0500		**2.42**	2.500	0	96.6	85	115	08/15/2023
Potassium		0.100		**2.79**	2.500	0	111.7	85	115	08/15/2023
Sodium		0.0500		**2.61**	2.500	0	104.6	85	115	08/15/2023

Batch 210770 **SampType:** MS Units **mg/L**
SampID: 23071810-009CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**98.0**	2.500	94.85	128.0	75	125	08/15/2023
Magnesium		0.0500		**44.6**	2.500	41.82	112.9	75	125	08/15/2023
Potassium		0.100		**3.02**	2.500	0.2669	110.3	75	125	08/15/2023
Sodium		0.0500		**55.2**	2.500	52.11	122.8	75	125	08/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210770 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-009CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**97.9**	2.500	94.85	120.4	98.05	0.19	08/15/2023
Magnesium		0.0500		**44.6**	2.500	41.82	111.7	44.64	0.07	08/15/2023
Potassium		0.100		**3.00**	2.500	0.2669	109.4	3.024	0.75	08/15/2023
Sodium		0.0500	S	**55.3**	2.500	52.11	127.2	55.18	0.20	08/15/2023

Batch 210785 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210785

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/15/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/15/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/15/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/15/2023

Batch 210785 **SampType:** LCS Units **mg/L**

SampID: LCS-210785

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.58**	2.500	0	103.3	85	115	08/15/2023
Magnesium		0.0500		**2.33**	2.500	0	93.3	85	115	08/15/2023
Potassium		0.100		**2.76**	2.500	0	110.6	85	115	08/15/2023
Sodium		0.0500		**2.56**	2.500	0	102.4	85	115	08/15/2023

Batch 210785 **SampType:** LCSD Units **mg/L** RPD Limit **20**

SampID: LCSD-210785

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.54**	2.500	0	101.7	2.582	1.55	08/15/2023
Magnesium		0.0500		**2.34**	2.500	0	93.5	2.332	0.27	08/15/2023
Potassium		0.100		**2.76**	2.500	0	110.3	2.765	0.22	08/15/2023
Sodium		0.0500		**2.56**	2.500	0	102.2	2.559	0.16	08/15/2023

Batch 210785 **SampType:** MS Units **mg/L**

SampID: 23071810-012CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**87.2**	2.500	83.60	142.0	75	125	08/15/2023
Magnesium		0.0500	S	**42.8**	2.500	39.63	127.9	75	125	08/15/2023
Potassium		0.100		**3.43**	2.500	0.6776	110.0	75	125	08/15/2023
Sodium		0.0500		**42.2**	2.500	39.16	119.6	75	125	08/15/2023

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Environmental Laboratory

Quality Control Results

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Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210785 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-012CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**87.8**	2.500	83.60	169.2	87.15	0.78	08/15/2023
Magnesium		0.0500	S	**42.8**	2.500	39.63	126.4	42.82	0.09	08/15/2023
Potassium		0.100		**3.44**	2.500	0.6776	110.3	3.429	0.19	08/15/2023
Sodium		0.0500	S	**42.3**	2.500	39.16	125.6	42.15	0.36	08/15/2023

Batch 210785 **SampType:** MS Units **mg/L**
SampID: 23071810-017CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**69.6**	2.500	67.64	80.0	75	125	08/15/2023
Magnesium		0.0500		**34.6**	2.500	32.47	83.9	75	125	08/15/2023
Potassium		0.100		**3.15**	2.500	0.3994	109.9	75	125	08/15/2023
Sodium		0.0500		**85.2**	2.500	83.10	83.6	75	125	08/15/2023

Batch 210785 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-017CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**69.5**	2.500	67.64	74.0	69.64	0.22	08/15/2023
Magnesium		0.0500		**34.6**	2.500	32.47	83.7	34.57	0.02	08/15/2023
Potassium		0.100		**3.16**	2.500	0.3994	110.6	3.148	0.50	08/15/2023
Sodium		0.0500		**85.2**	2.500	83.10	85.2	85.19	0.05	08/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210812 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210812

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/15/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/15/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/15/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/15/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/15/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/15/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/15/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/15/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/15/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/15/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/15/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/15/2023
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	08/15/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/15/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/15/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/15/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/15/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/15/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/15/2023
Silicon	*	0.0500	JS	**0.031**	0.0122	0	255.7	-100	100	08/15/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/15/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/15/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/15/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/15/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210812 **SampType:** LCS Units **mg/L**
SampID: LCS-210812

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.98**	2.000	0	99.2	85	115	08/15/2023
Antimony		0.0500		**0.537**	0.5000	0	107.4	85	115	08/15/2023
Arsenic		0.0250		**0.570**	0.5000	0	114.0	85	115	08/15/2023
Barium		0.0025		**2.11**	2.000	0	105.5	85	115	08/15/2023
Beryllium		0.0005		**0.0526**	0.0500	0	105.2	85	115	08/15/2023
Boron		0.0200		**0.524**	0.5000	0	104.9	85	115	08/15/2023
Cadmium		0.0020		**0.0545**	0.0500	0	109.0	85	115	08/15/2023
Calcium		0.100		**2.63**	2.500	0	105.3	85	115	08/15/2023
Chromium		0.0050		**0.203**	0.2000	0	101.6	85	115	08/15/2023
Cobalt		0.0050		**0.521**	0.5000	0	104.2	85	115	08/15/2023
Copper		0.0050		**0.256**	0.2500	0	102.6	85	115	08/15/2023
Iron		0.0400		**2.08**	2.000	0	104.0	85	115	08/15/2023
Lead		0.0150		**0.523**	0.5000	0	104.5	85	115	08/15/2023
Magnesium		0.0500		**2.49**	2.500	0	99.5	85	115	08/15/2023
Manganese		0.0070		**0.506**	0.5000	0	101.1	85	115	08/15/2023
Molybdenum		0.0100		**0.506**	0.5000	0	101.2	85	115	08/15/2023
Nickel		0.0050		**0.533**	0.5000	0	106.7	85	115	08/15/2023
Potassium		0.100		**2.71**	2.500	0	108.2	85	115	08/15/2023
Selenium		0.0400		**0.536**	0.5000	0	107.2	85	115	08/15/2023
Silicon	*	0.0500	B	**0.518**	0.5000	0	103.6	85	115	08/15/2023
Silver		0.0070		**0.0489**	0.0500	0	97.8	85	115	08/15/2023
Sodium		0.0500		**2.51**	2.500	0	100.3	85	115	08/15/2023
Thallium		0.0500		**0.262**	0.2500	0	104.8	85	115	08/15/2023
Vanadium		0.0100		**0.505**	0.5000	0	101.0	85	115	08/15/2023
Zinc		0.0100		**0.528**	0.5000	0	105.7	85	115	08/15/2023

Batch 210812 **SampType:** MS Units **mg/L**
SampID: 23071810-101CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**80.7**	2.500	76.79	156.0	75	125	08/15/2023
Magnesium		0.0500		**36.9**	2.500	33.90	119.3	75	125	08/15/2023
Potassium		0.100		**3.03**	2.500	0.2572	111.0	75	125	08/15/2023
Sodium		0.0500		**64.6**	2.500	61.58	119.2	75	125	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210812 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-101CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**79.8**	2.500	76.79	121.6	80.69	1.07	08/15/2023
Magnesium		0.0500		**36.8**	2.500	33.90	116.9	36.88	0.16	08/15/2023
Potassium		0.100		**3.00**	2.500	0.2572	109.9	3.031	0.87	08/15/2023
Sodium		0.0500		**63.7**	2.500	61.58	85.6	64.56	1.31	08/15/2023

Batch 210813 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210813

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/16/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/16/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/16/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/16/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/16/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/16/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/16/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/16/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/16/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/16/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/16/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/16/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/16/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/16/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/16/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/16/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/16/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/16/2023
Silicon	*	0.0500		**< 0.0500**	0.0310	0	0	-100	100	08/16/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/16/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/16/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/16/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/16/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/16/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210813 **SampType:** LCS Units **mg/L**

SampID: LCS-210813

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.96**	2.000	0	97.9	85	115	08/16/2023
Antimony		0.0500		**0.499**	0.5000	0	99.7	85	115	08/16/2023
Arsenic		0.0250		**0.500**	0.5000	0	100.0	85	115	08/16/2023
Barium		0.0025		**1.98**	2.000	0	99.0	85	115	08/16/2023
Beryllium		0.0005		**0.0492**	0.0500	0	98.4	85	115	08/16/2023
Boron		0.0200		**0.493**	0.5000	0	98.6	85	115	08/16/2023
Cadmium		0.0020		**0.0457**	0.0500	0	91.4	85	115	08/16/2023
Calcium		0.100		**2.61**	2.500	0	104.4	85	115	08/16/2023
Chromium		0.0050		**0.196**	0.2000	0	98.0	85	115	08/16/2023
Cobalt		0.0050		**0.498**	0.5000	0	99.7	85	115	08/16/2023
Copper		0.0050		**0.266**	0.2500	0	106.5	85	115	08/16/2023
Iron		0.0400		**1.96**	2.000	0	97.9	85	115	08/16/2023
Lead		0.0150		**0.478**	0.5000	0	95.6	85	115	08/16/2023
Magnesium		0.0500		**2.32**	2.500	0	92.8	85	115	08/16/2023
Manganese		0.0070		**0.502**	0.5000	0	100.4	85	115	08/16/2023
Molybdenum		0.0100		**0.480**	0.5000	0	96.0	85	115	08/16/2023
Nickel		0.0050		**0.482**	0.5000	0	96.4	85	115	08/16/2023
Potassium		0.100		**2.63**	2.500	0	105.2	85	115	08/16/2023
Selenium		0.0400		**0.476**	0.5000	0	95.3	85	115	08/16/2023
Silicon	*	0.0500		**0.523**	0.5000	0	104.6	85	115	08/16/2023
Silver		0.0070		**0.0500**	0.0500	0	100.0	85	115	08/16/2023
Sodium		0.0500		**2.48**	2.500	0	99.0	85	115	08/16/2023
Thallium		0.0500		**0.237**	0.2500	0	94.9	85	115	08/16/2023
Vanadium		0.0100		**0.482**	0.5000	0	96.4	85	115	08/16/2023
Zinc		0.0100		**0.487**	0.5000	0	97.4	85	115	08/16/2023

Batch 210813 **SampType:** MS Units **mg/L**

SampID: 23071810-082CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**96.1**	2.500	94.57	61.6	75	125	08/16/2023

Batch 210813 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-082CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**96.0**	2.500	94.57	56.0	96.11	0.15	08/16/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210813 **SampType:** MS Units **mg/L**
SampID: 23071810-083CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**84.6**	2.500	82.71	77.2	75	125	08/16/2023

Batch 210813 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-083CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**85.1**	2.500	82.71	96.8	84.64	0.58	08/16/2023

Batch 210826 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210826

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/16/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/16/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/16/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/16/2023
Silicon	*	0.0500	JS	**0.029**	0.0122	0	237.7	-100	100	08/16/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/16/2023

Batch 210826 **SampType:** LCS Units **mg/L**
SampID: LCS-210826

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.87**	2.500	0	114.6	85	115	08/16/2023
Copper		0.0050		**0.279**	0.2500	0	111.7	85	115	08/16/2023
Magnesium		0.0500		**2.64**	2.500	0	105.8	85	115	08/16/2023
Molybdenum		0.0100		**0.542**	0.5000	0	108.4	85	115	08/16/2023
Potassium		0.100		**2.78**	2.500	0	111.4	85	115	08/16/2023
Silicon	*	0.0500	B	**0.549**	0.5000	0	109.9	85	115	08/16/2023
Sodium		0.0500		**2.74**	2.500	0	109.8	85	115	08/16/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210826 **SampType:** MS Units **mg/L**

SampID: 23071810-105CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**105**	2.500	103.3	85.2	75	125	08/16/2023
Magnesium		0.0500		**18.0**	2.500	15.47	100.8	75	125	08/16/2023
Potassium		0.500		**19.2**	2.500	16.17	121.8	75	125	08/17/2023
Silicon	*	0.0500	B	**10.8**	0.5000	10.25	115.1	75	125	08/16/2023
Sodium		0.0500		**44.4**	2.500	42.27	83.6	75	125	08/16/2023

Batch 210826 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-105CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**104**	2.500	103.3	41.2	105.4	1.05	08/16/2023
Magnesium		0.0500		**17.8**	2.500	15.47	92.5	17.99	1.17	08/16/2023
Potassium		0.500		**18.9**	2.500	16.17	110.5	19.21	1.49	08/17/2023
Silicon	*	0.0500	B	**10.7**	0.5000	10.25	85.6	10.83	1.37	08/16/2023
Sodium		0.0500	S	**43.8**	2.500	42.27	62.8	44.36	1.18	08/16/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210901 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210901

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/16/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/16/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/16/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/16/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/16/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/16/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/16/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/16/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/16/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/16/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/16/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/16/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/16/2023
Lithium		0.0050		**< 0.0050**	0.0019	0	0	-100	100	08/16/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/16/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/16/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/16/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/16/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	08/16/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/16/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/16/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/16/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/16/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/16/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210901 **SampType:** LCS Units **mg/L**

SampID: LCS-210901

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.93**	2.000	0	96.4	85	115	08/16/2023
Antimony		0.0500		**0.498**	0.5000	0	99.7	85	115	08/16/2023
Arsenic		0.0250		**0.505**	0.5000	0	100.9	85	115	08/16/2023
Barium		0.0025		**2.00**	2.000	0	100.0	85	115	08/16/2023
Beryllium		0.0005		**0.0487**	0.0500	0	97.4	85	115	08/16/2023
Boron		0.0200		**0.489**	0.5000	0	97.9	85	115	08/16/2023
Cadmium		0.0020		**0.0485**	0.0500	0	97.0	85	115	08/16/2023
Calcium		0.100		**2.62**	2.500	0	104.9	85	115	08/16/2023
Chromium		0.0050		**0.193**	0.2000	0	96.7	85	115	08/16/2023
Cobalt		0.0050		**0.490**	0.5000	0	98.0	85	115	08/16/2023
Copper		0.0050		**0.255**	0.2500	0	102.1	85	115	08/16/2023
Iron		0.0400		**1.94**	2.000	0	97.2	85	115	08/16/2023
Lead		0.0150		**0.482**	0.5000	0	96.4	85	115	08/16/2023
Lithium		0.0050		**0.468**	0.5000	0	93.6	85	115	08/16/2023
Magnesium		0.0500		**2.32**	2.500	0	92.8	85	115	08/16/2023
Molybdenum		0.0100		**0.474**	0.5000	0	94.9	85	115	08/16/2023
Nickel		0.0050		**0.483**	0.5000	0	96.6	85	115	08/16/2023
Potassium		0.100		**2.68**	2.500	0	107.2	85	115	08/16/2023
Selenium		0.0400		**0.486**	0.5000	0	97.2	85	115	08/16/2023
Silicon	*	0.0500		**0.520**	0.5000	0	104.0	85	115	08/16/2023
Silver		0.0070		**0.0513**	0.0500	0	102.6	85	115	08/16/2023
Sodium		0.0500		**2.50**	2.500	0	100.2	85	115	08/16/2023
Thallium		0.0500		**0.243**	0.2500	0	97.1	85	115	08/16/2023
Vanadium		0.0100		**0.487**	0.5000	0	97.4	85	115	08/16/2023
Zinc		0.0100		**0.490**	0.5000	0	98.0	85	115	08/16/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210901 **SampType:** MS Units **mg/L**

SampID: 23071810-028CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.99**	2.000	0.01430	99.0	75	125	08/16/2023
Arsenic		0.0250		**0.504**	0.5000	0	100.8	75	125	08/16/2023
Barium		0.0025		**2.05**	2.000	0.09890	97.6	75	125	08/16/2023
Beryllium		0.0005		**0.0492**	0.0500	0	98.4	75	125	08/16/2023
Boron		0.0200		**0.499**	0.5000	0	99.9	75	125	08/16/2023
Cadmium		0.0020		**0.0456**	0.0500	0	91.2	75	125	08/16/2023
Chromium		0.0050		**0.196**	0.2000	0	98.2	75	125	08/16/2023
Copper		0.0050		**0.265**	0.2500	0	105.8	75	125	08/16/2023
Iron		0.0400		**1.97**	2.000	0.02400	97.1	75	125	08/16/2023
Lead		0.0150		**0.475**	0.5000	0	95.0	75	125	08/16/2023
Molybdenum		0.0100		**0.490**	0.5000	0	97.9	75	125	08/16/2023
Nickel		0.0050		**0.477**	0.5000	0	95.3	75	125	08/16/2023
Silver		0.0070		**0.0522**	0.0500	0	104.4	75	125	08/16/2023
Zinc		0.0100		**0.491**	0.5000	0	98.2	75	125	08/16/2023

Batch 210901 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-028CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.99**	2.000	0.01430	98.7	1.994	0.32	08/16/2023
Arsenic		0.0250		**0.499**	0.5000	0	99.8	0.5040	0.96	08/16/2023
Barium		0.0025		**2.05**	2.000	0.09890	97.6	2.050	0.00	08/16/2023
Beryllium		0.0005		**0.0491**	0.0500	0	98.2	0.04920	0.20	08/16/2023
Boron		0.0200		**0.498**	0.5000	0	99.7	0.4994	0.22	08/16/2023
Cadmium		0.0020		**0.0457**	0.0500	0	91.4	0.04560	0.22	08/16/2023
Chromium		0.0050		**0.195**	0.2000	0	97.5	0.1965	0.82	08/16/2023
Copper		0.0050		**0.263**	0.2500	0	105.2	0.2646	0.61	08/16/2023
Iron		0.0400		**1.96**	2.000	0.02400	96.6	1.966	0.49	08/16/2023
Lead		0.0150		**0.472**	0.5000	0	94.5	0.4748	0.49	08/16/2023
Molybdenum		0.0100		**0.486**	0.5000	0	97.2	0.4896	0.78	08/16/2023
Nickel		0.0050		**0.476**	0.5000	0	95.2	0.4766	0.08	08/16/2023
Silver		0.0070		**0.0521**	0.0500	0	104.2	0.05220	0.19	08/16/2023
Zinc		0.0100		**0.488**	0.5000	0	97.6	0.4908	0.53	08/16/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210926 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210926

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/17/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/17/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/17/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/17/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/17/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/17/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/17/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/17/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/17/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/17/2023
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	08/17/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/17/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/17/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/17/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/17/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	08/17/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210926 **SampType:** LCS Units **mg/L**
SampID: LCS-210926

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.96**	2.000	0	97.9	85	115	08/17/2023
Arsenic		0.0250		**0.530**	0.5000	0	106.1	85	115	08/17/2023
Barium		0.0025		**2.04**	2.000	0	102.0	85	115	08/17/2023
Beryllium		0.0005		**0.0505**	0.0500	0	101.0	85	115	08/17/2023
Boron		0.0200		**0.507**	0.5000	0	101.3	85	115	08/17/2023
Cadmium		0.0020		**0.0502**	0.0500	0	100.4	85	115	08/17/2023
Calcium		0.100		**2.49**	2.500	0	99.6	85	115	08/17/2023
Calcium		0.100		**2.59**	2.500	0	103.7	85	115	08/17/2023
Chromium		0.0050		**0.200**	0.2000	0	100.2	85	115	08/17/2023
Iron		0.0400		**2.08**	2.000	0	104.0	85	115	08/17/2023
Lead		0.0150		**0.506**	0.5000	0	101.2	85	115	08/17/2023
Magnesium		0.0500		**2.39**	2.500	0	95.6	85	115	08/17/2023
Manganese		0.0070		**0.505**	0.5000	0	101.0	85	115	08/17/2023
Molybdenum		0.0100		**0.495**	0.5000	0	99.1	85	115	08/17/2023
Potassium		0.100		**2.70**	2.500	0	108.1	85	115	08/17/2023
Silicon	*	0.0500		**0.529**	0.5000	0	105.7	85	115	08/17/2023
Sodium		0.0500		**2.53**	2.500	0	101.4	85	115	08/17/2023

Batch 210926 **SampType:** MS Units **mg/L**
SampID: 23071810-052CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**142**	2.500	140.4	53.2	75	125	08/17/2023
Magnesium		0.0500		**71.3**	2.500	68.89	94.8	75	125	08/17/2023
Potassium		0.100		**4.02**	2.500	1.309	108.6	75	125	08/17/2023
Silicon	*	0.0500		**10.2**	0.5000	9.583	115.1	75	125	08/17/2023
Sodium		0.0500		**57.6**	2.500	55.43	86.4	75	125	08/17/2023

Batch 210926 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-052CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**142**	2.500	140.4	70.8	141.8	0.31	08/17/2023
Magnesium		0.0500		**71.4**	2.500	68.89	100.7	71.26	0.21	08/17/2023
Potassium		0.100		**4.02**	2.500	1.309	108.4	4.024	0.14	08/17/2023
Silicon	*	0.0500		**10.2**	0.5000	9.583	122.0	10.16	0.34	08/17/2023
Sodium		0.0500		**57.7**	2.500	55.43	89.2	57.59	0.12	08/17/2023

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Quality Control Results

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Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 211078 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/21/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/21/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/21/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/21/2023

Batch 211078 **SampType:** LCS Units **mg/L**
SampID: LCS-211078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.77**	2.500	0	111.0	85	115	08/21/2023
Magnesium		0.0500		**2.53**	2.500	0	101.2	85	115	08/21/2023
Potassium		0.100		**2.77**	2.500	0	110.7	85	115	08/21/2023
Sodium		0.0500		**2.61**	2.500	0	104.3	85	115	08/21/2023

Batch 211078 **SampType:** LCSD Units **mg/L** RPD Limit **20**
SampID: LCSD-211078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.80**	2.500	0	112.2	2.774	1.10	08/21/2023
Magnesium		0.0500		**2.55**	2.500	0	102.1	2.529	0.91	08/21/2023
Potassium		0.100		**2.79**	2.500	0	111.5	2.767	0.73	08/21/2023
Sodium		0.0500		**2.63**	2.500	0	105.2	2.608	0.84	08/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 211843 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211843

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	09/12/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	09/12/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	09/12/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	09/12/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	09/12/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	09/12/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	09/12/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	09/12/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	09/12/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	09/12/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	09/12/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	09/12/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	09/12/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/12/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	09/12/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	09/12/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	09/12/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/12/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	09/12/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	09/12/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/12/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	09/12/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	09/12/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	09/12/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 211843 **SampType:** LCS Units **mg/L**

SampID: LCS-211843

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.01**	2.000	0	100.5	85	115	09/12/2023
Antimony		0.0500		**0.523**	0.5000	0	104.6	85	115	09/12/2023
Arsenic		0.0250		**0.523**	0.5000	0	104.7	85	115	09/12/2023
Barium		0.0025		**2.07**	2.000	0	103.5	85	115	09/12/2023
Beryllium		0.0005		**0.0503**	0.0500	0	100.6	85	115	09/12/2023
Boron		0.0200		**0.499**	0.5000	0	99.9	85	115	09/12/2023
Cadmium		0.0020		**0.0514**	0.0500	0	102.8	85	115	09/12/2023
Calcium		0.100		**2.62**	2.500	0	104.8	85	115	09/12/2023
Chromium		0.0050		**0.200**	0.2000	0	100.1	85	115	09/12/2023
Cobalt		0.0050		**0.501**	0.5000	0	100.2	85	115	09/12/2023
Copper		0.0050		**0.258**	0.2500	0	103.3	85	115	09/12/2023
Iron		0.0400		**2.13**	2.000	0	106.5	85	115	09/12/2023
Lead		0.0150		**0.497**	0.5000	0	99.5	85	115	09/12/2023
Magnesium		0.0500		**2.37**	2.500	0	94.9	85	115	09/12/2023
Manganese		0.0070		**0.500**	0.5000	0	100.0	85	115	09/12/2023
Molybdenum		0.0100		**0.492**	0.5000	0	98.3	85	115	09/12/2023
Nickel		0.0050		**0.503**	0.5000	0	100.5	85	115	09/12/2023
Potassium		0.100		**2.66**	2.500	0	106.4	85	115	09/12/2023
Selenium		0.0400		**0.503**	0.5000	0	100.5	85	115	09/12/2023
Silver		0.0070		**0.0522**	0.0500	0	104.4	85	115	09/12/2023
Sodium		0.0500		**2.58**	2.500	0	103.4	85	115	09/12/2023
Thallium		0.0500		**0.249**	0.2500	0	99.6	85	115	09/12/2023
Vanadium		0.0100		**0.509**	0.5000	0	101.8	85	115	09/12/2023
Zinc		0.0100		**0.502**	0.5000	0	100.4	85	115	09/12/2023

Batch 211883 **SampType:** MBLK Units **mg/L**

SampID: MBLK-211883

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	09/13/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/13/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/13/2023
Silicon	*	0.0500	JS	**0.037**	0.0122	0	300.0	-100	100	09/13/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/13/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 211883 **SampType:** LCS Units **mg/L**

SampID: LCS-211883

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.68**	2.500	0	107.2	85	115	09/13/2023
Magnesium		0.0500		**2.45**	2.500	0	98.1	85	115	09/13/2023
Potassium		0.100		**2.57**	2.500	0	102.9	85	115	09/13/2023
Silicon	*	0.0500	B	**0.512**	0.5000	0	102.4	85	115	09/13/2023
Sodium		0.0500		**2.53**	2.500	0	101.3	85	115	09/13/2023

Batch 212184 **SampType:** MBLK Units **mg/L**

SampID: MBLK-212184

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	09/26/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	09/26/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	09/20/2023
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	09/20/2023
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	09/25/2023
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	09/26/2023
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	09/26/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/20/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/26/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	09/26/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/26/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/20/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	09/26/2023
Silicon	*	0.0500		**< 0.0500**	0.0122	0	0	-100	100	09/20/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/20/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/26/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	09/26/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 212184 **SampType:** LCS Units **mg/L**
SampID: LCS-212184

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.59**	2.500	0	103.5	85	115	09/26/2023
Calcium		0.100		**2.53**	2.500	0	101.1	85	115	09/20/2023
Calcium		0.100		**2.54**	2.500	0	101.5	85	115	09/26/2023
Lead		0.0150		**0.498**	0.5000	0	99.6	85	115	09/26/2023
Lead		0.0150		**0.495**	0.5000	0	99.0	85	115	09/20/2023
Lead		0.0150		**0.515**	0.5000	0	103.0	85	115	09/25/2023
Lead		0.0150		**0.492**	0.5000	0	98.5	85	115	09/26/2023
Magnesium		0.0500		**2.40**	2.500	0	96.1	85	115	09/26/2023
Magnesium		0.0500		**2.48**	2.500	0	99.3	85	115	09/20/2023
Magnesium		0.0500		**2.38**	2.500	0	95.3	85	115	09/26/2023
Potassium		0.100		**2.45**	2.500	0	98.0	85	115	09/20/2023
Potassium		0.100		**2.68**	2.500	0	107.2	85	115	09/26/2023
Potassium		0.100		**2.56**	2.500	0	102.3	85	115	09/26/2023
Silicon	*	0.0500		**0.527**	0.5000	0	105.4	85	115	09/26/2023
Sodium		0.0500		**2.52**	2.500	0	100.9	85	115	09/26/2023
Sodium		0.0500		**2.37**	2.500	0	94.7	85	115	09/20/2023
Sodium		0.0500		**2.50**	2.500	0	100.2	85	115	09/26/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210784 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210784

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/13/2023
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	08/30/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/13/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/30/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/13/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/30/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/13/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/30/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/13/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/13/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/30/2023
Cobalt		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/30/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/11/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/13/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/30/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/13/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/13/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/30/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/13/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/30/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/13/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/13/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/30/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/30/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210784 **SampType:** LCS Units **mg/L**
SampID: LCS-210784

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.89**	2.000	0	94.6	80	120	09/13/2023
Aluminum		0.0250		**1.70**	2.000	0	85.0	80	120	08/30/2023
Antimony		0.0010		**0.469**	0.5000	0	93.9	80	120	08/30/2023
Arsenic		0.0010		**0.517**	0.5000	0	103.5	80	120	09/13/2023
Arsenic		0.0010		**0.505**	0.5000	0	101.0	80	120	08/30/2023
Barium		0.0010		**1.96**	2.000	0	97.9	80	120	08/30/2023
Barium		0.0010		**2.11**	2.000	0	105.4	80	120	09/13/2023
Beryllium		0.0010		**0.0436**	0.0500	0	87.3	80	120	08/30/2023
Beryllium		0.0010		**0.0481**	0.0500	0	96.1	80	120	09/13/2023
Boron		0.0250		**0.455**	0.5000	0	91.0	80	120	08/30/2023
Cadmium		0.0010		**0.0492**	0.0500	0	98.3	80	120	09/13/2023
Cadmium		0.0010		**0.0467**	0.0500	0	93.3	80	120	08/30/2023
Chromium		0.0015		**0.205**	0.2000	0	102.6	80	120	09/13/2023
Chromium		0.0015		**0.193**	0.2000	0	96.5	80	120	08/30/2023
Cobalt		0.0010		**0.493**	0.5000	0	98.6	80	120	08/30/2023
Iron		0.0250		**1.93**	2.000	0	96.5	80	120	08/30/2023
Iron		0.0250		**2.12**	2.000	0	105.8	80	120	09/13/2023
Lead		0.0010		**0.517**	0.5000	0	103.4	80	120	09/13/2023
Lead		0.0010		**0.487**	0.5000	0	97.4	80	120	08/30/2023
Manganese		0.0020		**0.533**	0.5000	0	106.6	80	120	09/13/2023
Manganese		0.0020		**0.480**	0.5000	0	96.0	80	120	08/30/2023
Molybdenum	*	0.0015		**0.477**	0.5000	0	95.4	80	120	09/13/2023
Molybdenum	*	0.0015		**0.480**	0.5000	0	96.1	80	120	08/30/2023
Nickel		0.0010		**0.519**	0.5000	0	103.8	80	120	09/13/2023
Nickel		0.0010		**0.494**	0.5000	0	98.7	80	120	08/30/2023
Selenium		0.0010		**0.453**	0.5000	0	90.6	80	120	08/30/2023
Silver		0.0010		**0.0544**	0.0500	0	108.8	80	120	08/30/2023
Silver		0.0010		**0.0463**	0.0500	0	92.7	80	120	09/13/2023
Thallium		0.0020		**0.232**	0.2500	0	93.0	80	120	08/30/2023
Vanadium		0.0050		**0.472**	0.5000	0	94.4	80	120	08/30/2023
Zinc		0.0150		**0.441**	0.5000	0	88.3	80	120	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210784 **SampType:** MS Units **mg/L**
SampID: 23071810-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.69**	2.000	0	84.7	75	125	08/30/2023
Antimony		0.0010		**0.469**	0.5000	0	93.9	75	125	08/30/2023
Arsenic		0.0010		**0.518**	0.5000	0	103.5	75	125	08/30/2023
Barium		0.0010		**1.97**	2.000	0.05111	96.2	75	125	08/30/2023
Beryllium		0.0010		**0.0473**	0.0500	0	94.6	75	125	08/30/2023
Boron		0.0250		**0.495**	0.5000	0	99.1	75	125	08/30/2023
Cadmium		0.0010		**0.0451**	0.0500	0	90.2	75	125	08/30/2023
Chromium		0.0015		**0.194**	0.2000	0	96.8	75	125	08/30/2023
Cobalt		0.0010		**0.489**	0.5000	0	97.9	75	125	08/30/2023
Copper		0.0010		**0.248**	0.2500	0.002143	98.2	75	125	08/30/2023
Iron		0.0250		**1.93**	2.000	0.01553	95.6	75	125	08/30/2023
Lead		0.0010		**0.481**	0.5000	0	96.2	75	125	08/30/2023
Manganese		0.0020		**0.480**	0.5000	0.003507	95.3	75	125	08/30/2023
Molybdenum	*	0.0015		**0.487**	0.5000	0	97.3	75	125	08/30/2023
Nickel		0.0010		**0.484**	0.5000	0.001108	96.6	75	125	08/30/2023
Selenium		0.0010		**0.465**	0.5000	0.001678	92.8	75	125	08/30/2023
Silver		0.0010		**0.0519**	0.0500	0	103.9	75	125	08/30/2023
Thallium		0.0020		**0.237**	0.2500	0	94.6	75	125	08/30/2023
Vanadium		0.0050		**0.476**	0.5000	0	95.2	75	125	08/30/2023
Zinc		0.0150		**0.447**	0.5000	0	89.4	75	125	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210784 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.67**	2.000	0	83.5	1.695	1.46	08/30/2023
Antimony		0.0010		**0.461**	0.5000	0	92.2	0.4693	1.75	08/30/2023
Arsenic		0.0010		**0.502**	0.5000	0	100.4	0.5176	3.08	08/30/2023
Barium		0.0010		**1.92**	2.000	0.05111	93.2	1.974	3.03	08/30/2023
Beryllium		0.0010		**0.0455**	0.0500	0	91.0	0.04729	3.83	08/30/2023
Boron		0.0250		**0.495**	0.5000	0	98.9	0.4954	0.15	08/30/2023
Cadmium		0.0010		**0.0447**	0.0500	0	89.5	0.04512	0.87	08/30/2023
Chromium		0.0015		**0.188**	0.2000	0	94.1	0.1936	2.79	08/30/2023
Cobalt		0.0010		**0.477**	0.5000	0	95.5	0.4894	2.50	08/30/2023
Copper		0.0010		**0.242**	0.2500	0.002143	95.8	0.2475	2.36	08/30/2023
Iron		0.0250		**1.91**	2.000	0.01553	94.7	1.927	0.88	08/30/2023
Lead		0.0010		**0.477**	0.5000	0	95.5	0.4812	0.79	08/30/2023
Manganese		0.0020		**0.474**	0.5000	0.003507	94.2	0.4801	1.19	08/30/2023
Molybdenum	*	0.0015		**0.471**	0.5000	0	94.1	0.4866	3.31	08/30/2023
Nickel		0.0010		**0.473**	0.5000	0.001108	94.4	0.4842	2.32	08/30/2023
Selenium		0.0010		**0.446**	0.5000	0.001678	88.9	0.4655	4.24	08/30/2023
Silver		0.0010		**0.0504**	0.0500	0	100.8	0.05195	3.05	08/30/2023
Thallium		0.0020		**0.237**	0.2500	0	94.7	0.2366	0.01	08/30/2023
Vanadium		0.0050		**0.471**	0.5000	0	94.2	0.4760	1.10	08/30/2023
Zinc		0.0150		**0.430**	0.5000	0	86.0	0.4471	3.92	08/30/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210814 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210814

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	08/30/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/30/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/30/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/30/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/11/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/11/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/30/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/30/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/30/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/30/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/30/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/30/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210814 **SampType:** LCS Units **mg/L**

SampID: LCS-210814

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.68**	2.000	0	84.2	80	120	08/30/2023
Antimony		0.0010		**0.454**	0.5000	0	90.8	80	120	08/30/2023
Arsenic		0.0010		**0.504**	0.5000	0	100.9	80	120	08/30/2023
Barium		0.0010		**1.89**	2.000	0	94.6	80	120	08/30/2023
Beryllium		0.0010		**0.0469**	0.0500	0	93.8	80	120	08/30/2023
Boron		0.0250		**0.474**	0.5000	0	94.9	80	120	08/30/2023
Cadmium		0.0010		**0.0458**	0.0500	0	91.5	80	120	08/30/2023
Chromium		0.0015		**0.195**	0.2000	0	97.3	80	120	08/30/2023
Cobalt		0.0010		**0.493**	0.5000	0	98.6	80	120	08/30/2023
Copper		0.0010		**0.257**	0.2500	0	102.7	80	120	08/30/2023
Iron		0.0250		**1.96**	2.000	0	97.8	80	120	08/30/2023
Lead		0.0010		**0.468**	0.5000	0	93.5	80	120	08/30/2023
Manganese		0.0020		**0.489**	0.5000	0	97.8	80	120	08/30/2023
Molybdenum	*	0.0015		**0.467**	0.5000	0	93.3	80	120	08/30/2023
Nickel		0.0010		**0.495**	0.5000	0	99.0	80	120	08/30/2023
Selenium		0.0010		**0.469**	0.5000	0	93.8	80	120	08/30/2023
Silver		0.0010		**0.0530**	0.0500	0	106.1	80	120	08/30/2023
Thallium		0.0020		**0.233**	0.2500	0	93.2	80	120	08/30/2023
Vanadium		0.0050		**0.469**	0.5000	0	93.8	80	120	08/30/2023
Zinc		0.0150		**0.456**	0.5000	0	91.1	80	120	08/30/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210814 **SampType:** MS Units **mg/L**

SampID: 23071810-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**3.10**	4.000	0.01385	77.2	75	125	08/31/2023
Antimony		0.0010		**0.949**	1.000	0	94.9	75	125	08/31/2023
Arsenic		0.0010		**0.906**	1.000	0.002154	90.4	75	125	08/31/2023
Barium		0.0010		**3.70**	4.000	0.09539	90.2	75	125	08/31/2023
Beryllium		0.0010		**0.0866**	0.1000	0	86.6	75	125	08/31/2023
Boron		0.0250		**0.913**	1.000	0.03014	88.3	75	125	08/31/2023
Cadmium		0.0010		**0.0896**	0.1000	0	89.6	75	125	08/31/2023
Chromium		0.0015		**0.349**	0.4000	0	87.2	75	125	08/31/2023
Cobalt		0.0010		**0.994**	1.000	0.0005190	99.4	75	125	08/31/2023
Copper		0.0010		**0.437**	0.5000	0.001017	87.3	75	125	08/31/2023
Iron		0.0250		**3.94**	4.000	0.4055	88.4	75	125	08/31/2023
Lead		0.0010		**0.934**	1.000	0	93.4	75	125	08/31/2023
Manganese		0.0200	S	**1.93**	1.000	1.492	44.3	75	125	09/13/2023
Molybdenum	*	0.0015		**0.920**	1.000	0.0008750	92.0	75	125	08/31/2023
Nickel		0.0010		**0.867**	1.000	0.0007445	86.6	75	125	08/31/2023
Selenium		0.0010		**0.791**	1.000	0	79.1	75	125	08/31/2023
Silver		0.0010		**0.0985**	0.1000	0	98.5	75	125	08/31/2023
Thallium		0.0020		**0.437**	0.5000	0	87.5	75	125	08/31/2023
Vanadium		0.0050		**0.861**	1.000	0	86.1	75	125	08/31/2023
Zinc		0.0150		**0.776**	1.000	0	77.6	75	125	08/31/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210814 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**3.13**	4.000	0.01385	77.9	3.102	0.87	08/31/2023
Antimony		0.0010		**0.982**	1.000	0	98.2	0.9493	3.37	08/31/2023
Arsenic		0.0010		**0.950**	1.000	0.002154	94.8	0.9061	4.71	08/31/2023
Barium		0.0010		**3.83**	4.000	0.09539	93.2	3.705	3.20	08/31/2023
Beryllium		0.0010		**0.0893**	0.1000	0	89.3	0.08655	3.15	08/31/2023
Boron		0.0250		**0.927**	1.000	0.03014	89.6	0.9129	1.50	08/31/2023
Cadmium		0.0010		**0.0930**	0.1000	0	93.0	0.08958	3.75	08/31/2023
Chromium		0.0015		**0.356**	0.4000	0	88.9	0.3490	1.91	08/31/2023
Cobalt		0.0010		**1.03**	1.000	0.0005190	102.8	0.9940	3.45	08/31/2023
Copper		0.0010		**0.450**	0.5000	0.001017	89.9	0.4373	2.93	08/31/2023
Iron		0.0250		**3.99**	4.000	0.4055	89.5	3.941	1.10	08/31/2023
Lead		0.0010		**0.931**	1.000	0	93.1	0.9340	0.35	08/31/2023
Manganese		0.0200	S	**1.97**	1.000	1.492	47.5	1.935	1.66	09/13/2023
Molybdenum	*	0.0015		**0.957**	1.000	0.0008750	95.6	0.9205	3.89	08/31/2023
Nickel		0.0010		**0.897**	1.000	0.0007445	89.6	0.8669	3.36	08/31/2023
Selenium		0.0010		**0.825**	1.000	0	82.5	0.7913	4.13	08/31/2023
Silver		0.0010		**0.102**	0.1000	0	102.2	0.09849	3.66	08/31/2023
Thallium		0.0020		**0.438**	0.5000	0	87.6	0.4373	0.17	08/31/2023
Vanadium		0.0050		**0.882**	1.000	0	88.2	0.8614	2.30	08/31/2023
Zinc		0.0150		**0.801**	1.000	0	80.1	0.7757	3.15	08/31/2023

Batch 210814 **SampType:** MS Units **mg/L**

SampID: 23071810-016CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.506**	0.5000	0	101.2	75	125	08/31/2023
Arsenic		0.0010		**0.491**	0.5000	0	98.2	75	125	08/31/2023
Barium		0.0010		**2.23**	2.000	0.06386	108.2	75	125	09/10/2023
Boron		0.0250		**0.479**	0.5000	0.009340	93.9	75	125	08/31/2023
Cadmium		0.0010		**0.0470**	0.0500	0	94.0	75	125	08/31/2023
Chromium		0.0015		**0.189**	0.2000	0	94.3	75	125	08/31/2023
Cobalt		0.0010		**0.461**	0.5000	0	92.1	75	125	08/31/2023
Lead		0.0010		**0.475**	0.5000	0	95.0	75	125	08/31/2023
Manganese		0.0020		**0.462**	0.5000	0.001600	92.1	75	125	08/31/2023
Zinc		0.0150		**0.470**	0.5000	0	94.1	75	125	08/31/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210814 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-016CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.472**	0.5000	0	94.3	0.5058	7.00	08/31/2023
Arsenic		0.0010		**0.454**	0.5000	0	90.8	0.4908	7.77	08/31/2023
Barium		0.0010		**2.26**	2.000	0.06386	109.9	2.228	1.54	09/10/2023
Boron		0.0250		**0.453**	0.5000	0.009340	88.7	0.4791	5.67	08/31/2023
Cadmium		0.0010		**0.0442**	0.0500	0	88.4	0.04699	6.10	08/31/2023
Chromium		0.0015		**0.178**	0.2000	0	88.8	0.1885	6.03	08/31/2023
Cobalt		0.0010		**0.440**	0.5000	0	88.0	0.4607	4.58	08/31/2023
Lead		0.0010		**0.462**	0.5000	0	92.4	0.4751	2.80	08/31/2023
Manganese		0.0020		**0.433**	0.5000	0.001600	86.3	0.4620	6.42	08/31/2023
Zinc		0.0150		**0.434**	0.5000	0	86.7	0.4704	8.14	08/31/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210815 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210815

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/13/2023
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	08/30/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/13/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/13/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/30/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/13/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/30/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/30/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/13/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/13/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/30/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/13/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/30/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/13/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/30/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/13/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/13/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/30/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/13/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/30/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/13/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/13/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/30/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/30/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210815 **SampType:** LCS Units **mg/L**
SampID: LCS-210815

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.66**	2.000	0	83.1	80	120	08/30/2023
Aluminum		0.0250		**1.81**	2.000	0	90.5	80	120	09/13/2023
Antimony		0.0010		**0.447**	0.5000	0	89.4	80	120	08/30/2023
Arsenic		0.0010		**0.479**	0.5000	0	95.7	80	120	08/30/2023
Arsenic		0.0010		**0.523**	0.5000	0	104.7	80	120	09/13/2023
Barium		0.0010		**1.89**	2.000	0	94.5	80	120	08/30/2023
Barium		0.0010		**2.07**	2.000	0	103.3	80	120	09/13/2023
Beryllium		0.0010		**0.0452**	0.0500	0	90.5	80	120	09/13/2023
Beryllium		0.0010		**0.0421**	0.0500	0	84.2	80	120	08/30/2023
Boron		0.0250		**0.446**	0.5000	0	89.2	80	120	08/30/2023
Cadmium		0.0010		**0.0439**	0.0500	0	87.8	80	120	08/30/2023
Cadmium		0.0010		**0.0472**	0.0500	0	94.4	80	120	09/13/2023
Chromium		0.0015		**0.205**	0.2000	0	102.4	80	120	09/13/2023
Chromium		0.0015		**0.186**	0.2000	0	93.1	80	120	08/30/2023
Cobalt		0.0010		**0.478**	0.5000	0	95.6	80	120	08/30/2023
Copper		0.0010		**0.244**	0.2500	0	97.8	80	120	08/30/2023
Copper		0.0010		**0.259**	0.2500	0	103.6	80	120	09/13/2023
Iron		0.0250		**1.88**	2.000	0	94.2	80	120	08/30/2023
Iron		0.0250		**2.08**	2.000	0	103.9	80	120	09/13/2023
Lead		0.0010		**0.510**	0.5000	0	102.0	80	120	09/13/2023
Lead		0.0010		**0.467**	0.5000	0	93.4	80	120	08/30/2023
Manganese		0.0020		**0.469**	0.5000	0	93.7	80	120	08/30/2023
Manganese		0.0020		**0.522**	0.5000	0	104.3	80	120	09/13/2023
Molybdenum	*	0.0015		**0.476**	0.5000	0	95.3	80	120	09/13/2023
Molybdenum	*	0.0015		**0.451**	0.5000	0	90.2	80	120	08/30/2023
Nickel		0.0010		**0.476**	0.5000	0	95.1	80	120	08/30/2023
Nickel		0.0010		**0.520**	0.5000	0	103.9	80	120	09/13/2023
Selenium		0.0010		**0.433**	0.5000	0	86.7	80	120	08/30/2023
Silver		0.0010		**0.0452**	0.0500	0	90.4	80	120	09/13/2023
Silver		0.0010		**0.0512**	0.0500	0	102.3	80	120	08/30/2023
Thallium		0.0020		**0.228**	0.2500	0	91.4	80	120	08/30/2023
Vanadium		0.0050		**0.461**	0.5000	0	92.1	80	120	08/30/2023
Zinc		0.0150		**0.425**	0.5000	0	85.0	80	120	08/30/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210815 **SampType:** MS Units **mg/L**

SampID: 23071810-034DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.68**	2.000	0	84.1	75	125	08/30/2023
Antimony		0.0010		**0.456**	0.5000	0.001644	90.9	75	125	08/30/2023
Arsenic		0.0010		**0.483**	0.5000	0	96.6	75	125	08/30/2023
Barium		0.0010		**1.92**	2.000	0.07190	92.4	75	125	08/30/2023
Beryllium		0.0010		**0.0467**	0.0500	0	93.4	75	125	08/30/2023
Boron		0.0250		**0.481**	0.5000	0	96.2	75	125	08/30/2023
Cadmium		0.0010		**0.0438**	0.0500	0	87.6	75	125	08/30/2023
Chromium		0.0015		**0.186**	0.2000	0	93.0	75	125	08/30/2023
Cobalt		0.0010		**0.469**	0.5000	0	93.8	75	125	08/30/2023
Copper		0.0010		**0.232**	0.2500	0.004065	91.2	75	125	08/30/2023
Iron		0.0250		**1.88**	2.000	0	93.8	75	125	08/30/2023
Lead		0.0010		**0.472**	0.5000	0	94.4	75	125	08/30/2023
Manganese		0.0020		**0.499**	0.5000	0.03745	92.4	75	125	08/30/2023
Molybdenum	*	0.0015		**0.460**	0.5000	0	92.0	75	125	08/30/2023
Nickel		0.0010		**0.460**	0.5000	0	92.0	75	125	08/30/2023
Selenium		0.0010		**0.435**	0.5000	0	86.9	75	125	08/30/2023
Silver		0.0010		**0.0500**	0.0500	0	100.0	75	125	08/30/2023
Thallium		0.0020		**0.235**	0.2500	0	94.2	75	125	08/30/2023
Vanadium		0.0050		**0.462**	0.5000	0	92.3	75	125	08/30/2023
Zinc		0.0150		**0.414**	0.5000	0	82.9	75	125	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch **210815** **SampType:** **MSD** Units **mg/L** RPD Limit **20**
SampID: 23071810-034DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.67**	2.000	0	83.6	1.683	0.68	08/30/2023
Antimony		0.0010		**0.458**	0.5000	0.001644	91.2	0.4560	0.41	08/30/2023
Arsenic		0.0010		**0.490**	0.5000	0	97.9	0.4830	1.33	08/30/2023
Barium		0.0010		**1.93**	2.000	0.07190	92.7	1.920	0.37	08/30/2023
Beryllium		0.0010		**0.0463**	0.0500	0	92.7	0.04672	0.81	08/30/2023
Boron		0.0250		**0.484**	0.5000	0	96.7	0.4809	0.55	08/30/2023
Cadmium		0.0010		**0.0447**	0.0500	0	89.3	0.04380	1.94	08/30/2023
Chromium		0.0015		**0.187**	0.2000	0	93.5	0.1860	0.59	08/30/2023
Cobalt		0.0010		**0.470**	0.5000	0	94.0	0.4691	0.17	08/30/2023
Copper		0.0010		**0.238**	0.2500	0.004065	93.6	0.2320	2.55	08/30/2023
Iron		0.0250		**1.88**	2.000	0	93.9	1.876	0.13	08/30/2023
Lead		0.0010		**0.473**	0.5000	0	94.6	0.4720	0.17	08/30/2023
Manganese		0.0020		**0.498**	0.5000	0.03745	92.1	0.4993	0.28	08/30/2023
Molybdenum	*	0.0015		**0.467**	0.5000	0	93.4	0.4598	1.57	08/30/2023
Nickel		0.0010		**0.468**	0.5000	0	93.7	0.4600	1.80	08/30/2023
Selenium		0.0010		**0.441**	0.5000	0	88.3	0.4346	1.53	08/30/2023
Silver		0.0010		**0.0504**	0.0500	0	100.9	0.04999	0.90	08/30/2023
Thallium		0.0020		**0.233**	0.2500	0	93.0	0.2354	1.21	08/30/2023
Vanadium		0.0050		**0.467**	0.5000	0	93.3	0.4617	1.09	08/30/2023
Zinc		0.0150		**0.431**	0.5000	0	86.1	0.4144	3.82	08/30/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210815 **SampType:** MS Units **mg/L**

SampID: 23071810-036DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.60**	2.000	0	79.9	75	125	08/30/2023
Antimony		0.0010		**0.463**	0.5000	0	92.5	75	125	08/30/2023
Arsenic		0.0010		**0.503**	0.5000	0.001345	100.4	75	125	08/30/2023
Barium		0.0010		**1.90**	2.000	0.04878	92.8	75	125	08/30/2023
Beryllium		0.0010		**0.0438**	0.0500	0	87.6	75	125	08/30/2023
Boron		0.0250		**1.45**	0.5000	1.025	85.3	75	125	08/30/2023
Cadmium		0.0010		**0.0445**	0.0500	0	89.0	75	125	08/30/2023
Chromium		0.0015		**0.181**	0.2000	0	90.7	75	125	08/30/2023
Cobalt		0.0010		**0.499**	0.5000	0.03509	92.8	75	125	08/30/2023
Copper		0.0010		**0.228**	0.2500	0.001314	90.8	75	125	08/30/2023
Iron		0.0250		**7.36**	2.000	5.848	75.7	75	125	08/30/2023
Lead		0.0010		**0.483**	0.5000	0	96.7	75	125	08/30/2023
Manganese		0.0020		**0.976**	0.5000	0.5611	83.0	75	125	08/30/2023
Molybdenum	*	0.0015		**0.480**	0.5000	0.001421	95.7	75	125	08/30/2023
Nickel		0.0010		**0.456**	0.5000	0.001943	90.8	75	125	08/30/2023
Selenium		0.0010		**0.449**	0.5000	0	89.8	75	125	08/30/2023
Silver		0.0010		**0.0497**	0.0500	0	99.4	75	125	08/30/2023
Thallium		0.0020		**0.238**	0.2500	0	95.3	75	125	08/30/2023
Vanadium		0.0050		**0.459**	0.5000	0	91.9	75	125	08/30/2023
Zinc		0.0150		**0.413**	0.5000	0	82.6	75	125	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210815 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-036DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.60**	2.000	0	80.1	1.598	0.28	08/30/2023
Antimony		0.0010		**0.452**	0.5000	0	90.4	0.4627	2.38	08/30/2023
Arsenic		0.0010		**0.510**	0.5000	0.001345	101.8	0.5032	1.37	08/30/2023
Barium		0.0010		**1.90**	2.000	0.04878	92.3	1.905	0.50	08/30/2023
Beryllium		0.0010		**0.0436**	0.0500	0	87.1	0.04381	0.58	08/30/2023
Boron		0.0250		**1.44**	0.5000	1.025	83.9	1.451	0.50	08/30/2023
Cadmium		0.0010		**0.0433**	0.0500	0	86.6	0.04451	2.80	08/30/2023
Chromium		0.0015		**0.181**	0.2000	0	90.3	0.1814	0.47	08/30/2023
Cobalt		0.0010		**0.502**	0.5000	0.03509	93.5	0.4990	0.67	08/30/2023
Copper		0.0010		**0.229**	0.2500	0.001314	91.2	0.2283	0.45	08/30/2023
Iron		0.0250		**7.46**	2.000	5.848	80.4	7.362	1.27	08/30/2023
Lead		0.0010		**0.470**	0.5000	0	94.1	0.4834	2.72	08/30/2023
Manganese		0.0020		**0.981**	0.5000	0.5611	84.0	0.9762	0.47	08/30/2023
Molybdenum	*	0.0015		**0.479**	0.5000	0.001421	95.6	0.4797	0.05	08/30/2023
Nickel		0.0010		**0.460**	0.5000	0.001943	91.5	0.4560	0.77	08/30/2023
Selenium		0.0010		**0.451**	0.5000	0	90.3	0.4492	0.49	08/30/2023
Silver		0.0010		**0.0485**	0.0500	0	97.1	0.04968	2.30	08/30/2023
Thallium		0.0020		**0.236**	0.2500	0	94.3	0.2382	0.98	08/30/2023
Vanadium		0.0050		**0.460**	0.5000	0	92.0	0.4595	0.11	08/30/2023
Zinc		0.0150		**0.414**	0.5000	0	82.8	0.4131	0.19	08/30/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210825 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210825

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/10/2023
Aluminum		0.0250	S	**0.0264**	0.0125	0	211.5	-100	100	08/31/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/31/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/31/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/31/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/31/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/31/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/31/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/31/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/31/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/31/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/31/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/31/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/31/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/31/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/31/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/31/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/31/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/31/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/31/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210825 **SampType:** LCS Units **mg/L**

SampID: LCS-210825

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250	B	**1.90**	2.000	0	95.0	80	120	08/31/2023
Antimony		0.0010		**0.484**	0.5000	0	96.8	80	120	08/31/2023
Arsenic		0.0010		**0.487**	0.5000	0	97.3	80	120	08/31/2023
Barium		0.0010		**2.12**	2.000	0	105.9	80	120	09/10/2023
Beryllium		0.0010		**0.0461**	0.0500	0	92.3	80	120	08/31/2023
Boron		0.0250		**0.486**	0.5000	0	97.3	80	120	08/31/2023
Cadmium		0.0010		**0.0472**	0.0500	0	94.3	80	120	08/31/2023
Chromium		0.0015		**0.193**	0.2000	0	96.4	80	120	08/31/2023
Cobalt		0.0010		**0.480**	0.5000	0	96.1	80	120	08/31/2023
Copper		0.0010		**0.240**	0.2500	0	95.9	80	120	08/31/2023
Iron		0.0250		**1.90**	2.000	0	95.1	80	120	08/31/2023
Lead		0.0010		**0.508**	0.5000	0	101.7	80	120	09/10/2023
Manganese		0.0020		**0.475**	0.5000	0	95.0	80	120	08/31/2023
Molybdenum	*	0.0015		**0.452**	0.5000	0	90.4	80	120	08/31/2023
Nickel		0.0010		**0.479**	0.5000	0	95.8	80	120	08/31/2023
Selenium		0.0010		**0.444**	0.5000	0	88.8	80	120	08/31/2023
Silver		0.0010		**0.0525**	0.0500	0	104.9	80	120	08/31/2023
Thallium		0.0020		**0.231**	0.2500	0	92.5	80	120	08/31/2023
Vanadium		0.0050		**0.481**	0.5000	0	96.3	80	120	08/31/2023
Zinc		0.0150		**0.509**	0.5000	0	101.8	80	120	09/10/2023

Batch 210825 **SampType:** MS Units **mg/L**

SampID: 23071810-082DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.03**	2.000	0.02870	100.2	75	125	09/11/2023
Arsenic		0.0010		**0.519**	0.5000	0.002896	103.3	75	125	09/11/2023
Boron		0.0250		**0.601**	0.5000	0.1410	91.9	75	125	09/11/2023
Copper		0.0010		**0.232**	0.2500	0.001679	91.9	75	125	09/11/2023
Iron		0.0250		**2.87**	2.000	0.8198	102.4	75	125	09/11/2023
Lead		0.0010		**0.544**	0.5000	0	108.9	75	125	09/11/2023
Manganese		0.0020		**4.40**	0.5000	3.878	105.4	75	125	09/11/2023
Nickel		0.0010		**0.477**	0.5000	0.003421	94.7	75	125	09/11/2023
Silver		0.0010		**0.0541**	0.0500	0	108.1	75	125	09/11/2023
Vanadium		0.0050		**0.472**	0.5000	0	94.5	75	125	09/01/2023
Zinc		0.0150		**0.501**	0.5000	0	100.1	75	125	09/11/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210825 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-082DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**2.01**	2.000	0.02870	99.2	2.032	0.96	09/11/2023
Arsenic		0.0010		**0.507**	0.5000	0.002896	100.9	0.5195	2.40	09/11/2023
Boron		0.0250		**0.598**	0.5000	0.1410	91.5	0.6006	0.36	09/11/2023
Copper		0.0010		**0.228**	0.2500	0.001679	90.6	0.2316	1.42	09/11/2023
Iron		0.0250		**2.84**	2.000	0.8198	100.8	2.869	1.18	09/11/2023
Lead		0.0010		**0.538**	0.5000	0	107.5	0.5443	1.21	09/11/2023
Manganese		0.0020		**4.40**	0.5000	3.878	104.7	4.405	0.09	09/11/2023
Nickel		0.0010		**0.474**	0.5000	0.003421	94.2	0.4770	0.59	09/11/2023
Silver		0.0010		**0.0527**	0.0500	0	105.4	0.05405	2.51	09/11/2023
Vanadium		0.0050		**0.454**	0.5000	0	90.7	0.4724	4.07	09/01/2023
Zinc		0.0150		**0.493**	0.5000	0	98.7	0.5006	1.48	09/11/2023

Batch 210902 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210902

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/14/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/14/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/14/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/14/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	09/14/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/14/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/14/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/01/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/14/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/14/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/14/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/14/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/14/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/14/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/01/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/14/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	09/01/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	09/01/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	09/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210902 **SampType:** LCS Units **mg/L**
SampID: LCS-210902

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.94**	2.000	0	96.9	80	120	09/14/2023
Antimony		0.0010		**0.462**	0.5000	0	92.3	80	120	09/01/2023
Arsenic		0.0010		**0.543**	0.5000	0	108.7	80	120	09/14/2023
Arsenic		0.0010		**0.528**	0.5000	0	105.7	80	120	09/14/2023
Barium		0.0010		**2.27**	2.000	0	113.3	80	120	09/14/2023
Beryllium		0.0010		**0.0497**	0.0500	0	99.5	80	120	09/14/2023
Boron		0.0250		**0.475**	0.5000	0	95.0	80	120	09/14/2023
Cadmium		0.0010		**0.0514**	0.0500	0	102.7	80	120	09/14/2023
Chromium		0.0015		**0.209**	0.2000	0	104.5	80	120	09/14/2023
Cobalt		0.0010		**0.486**	0.5000	0	97.2	80	120	09/01/2023
Copper		0.0010		**0.256**	0.2500	0	102.5	80	120	09/14/2023
Iron		0.0250		**2.08**	2.000	0	103.8	80	120	09/14/2023
Lead		0.0010		**0.535**	0.5000	0	106.9	80	120	09/14/2023
Manganese		0.0020		**0.539**	0.5000	0	107.7	80	120	09/14/2023
Molybdenum	*	0.0015		**0.499**	0.5000	0	99.7	80	120	09/14/2023
Nickel		0.0010		**0.510**	0.5000	0	102.0	80	120	09/14/2023
Selenium		0.0010		**0.447**	0.5000	0	89.4	80	120	09/01/2023
Silver		0.0010		**0.0482**	0.0500	0	96.3	80	120	09/14/2023
Thallium		0.0020		**0.231**	0.2500	0	92.3	80	120	09/01/2023
Vanadium		0.0050		**0.462**	0.5000	0	92.4	80	120	09/01/2023
Zinc		0.0150		**0.491**	0.5000	0	98.3	80	120	09/14/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210902 **SampType:** MS Units **mg/L**

SampID: 23071810-028DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.92**	2.000	0.01577	95.2	75	125	09/14/2023
Antimony		0.0010		**0.462**	0.5000	0	92.4	75	125	09/01/2023
Arsenic		0.0010		**0.544**	0.5000	0	108.8	75	125	09/14/2023
Barium		0.0010		**2.28**	2.000	0.1003	108.9	75	125	09/14/2023
Beryllium		0.0010		**0.0492**	0.0500	0	98.4	75	125	09/14/2023
Boron		0.0250		**0.503**	0.5000	0	100.6	75	125	09/14/2023
Cadmium		0.0010		**0.0496**	0.0500	0	99.3	75	125	09/14/2023
Chromium		0.0015		**0.209**	0.2000	0.0009832	103.9	75	125	09/14/2023
Cobalt		0.0010		**0.472**	0.5000	0	94.3	75	125	09/01/2023
Copper		0.0010		**0.256**	0.2500	0.001184	101.9	75	125	09/14/2023
Iron		0.0250		**2.08**	2.000	0.02414	102.7	75	125	09/14/2023
Lead		0.0010		**0.531**	0.5000	0	106.3	75	125	09/14/2023
Manganese		0.0020		**0.544**	0.5000	0.004646	107.8	75	125	09/14/2023
Molybdenum	*	0.0015		**0.500**	0.5000	0.0007224	99.9	75	125	09/14/2023
Nickel		0.0010		**0.509**	0.5000	0.0004698	101.7	75	125	09/14/2023
Selenium		0.0010		**0.456**	0.5000	0.002674	90.7	75	125	09/01/2023
Silver		0.0010		**0.0467**	0.0500	0	93.4	75	125	09/14/2023
Thallium		0.0020		**0.226**	0.2500	0	90.4	75	125	09/01/2023
Vanadium		0.0050		**0.454**	0.5000	0	90.8	75	125	09/01/2023
Zinc		0.0150		**0.487**	0.5000	0	97.4	75	125	09/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210902 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-028DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.85**	2.000	0.01577	91.8	1.920	3.67	09/14/2023
Antimony		0.0010		**0.473**	0.5000	0	94.6	0.4621	2.31	09/01/2023
Arsenic		0.0010		**0.541**	0.5000	0	108.1	0.5438	0.58	09/14/2023
Barium		0.0010		**2.25**	2.000	0.1003	107.6	2.279	1.16	09/14/2023
Beryllium		0.0010		**0.0482**	0.0500	0	96.3	0.04919	2.14	09/14/2023
Boron		0.0250		**0.489**	0.5000	0	97.7	0.5032	2.95	09/14/2023
Cadmium		0.0010		**0.0494**	0.0500	0	98.7	0.04963	0.52	09/14/2023
Chromium		0.0015		**0.204**	0.2000	0.0009832	101.3	0.2087	2.45	09/14/2023
Cobalt		0.0010		**0.444**	0.5000	0	88.9	0.4716	5.97	09/01/2023
Copper		0.0010		**0.248**	0.2500	0.001184	98.7	0.2559	3.20	09/14/2023
Iron		0.0250		**2.03**	2.000	0.02414	100.3	2.078	2.29	09/14/2023
Lead		0.0010		**0.522**	0.5000	0	104.4	0.5314	1.78	09/14/2023
Manganese		0.0020		**0.527**	0.5000	0.004646	104.4	0.5436	3.18	09/14/2023
Molybdenum	*	0.0015		**0.494**	0.5000	0.0007224	98.7	0.5001	1.15	09/14/2023
Nickel		0.0010		**0.495**	0.5000	0.0004698	98.9	0.5092	2.85	09/14/2023
Selenium		0.0010		**0.456**	0.5000	0.002674	90.6	0.4561	0.10	09/01/2023
Silver		0.0010		**0.0462**	0.0500	0	92.4	0.04668	0.99	09/14/2023
Thallium		0.0020		**0.227**	0.2500	0	91.0	0.2261	0.63	09/01/2023
Vanadium		0.0050		**0.453**	0.5000	0	90.7	0.4539	0.11	09/01/2023
Zinc		0.0150		**0.482**	0.5000	0	96.4	0.4869	0.98	09/14/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210902 **SampType:** MS Units **mg/L**

SampID: 23071810-030DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.84**	2.000	0	92.1	75	125	09/14/2023
Antimony		0.0010		**0.469**	0.5000	0	93.8	75	125	09/01/2023
Arsenic		0.0010		**0.527**	0.5000	0	105.4	75	125	09/14/2023
Barium		0.0010		**2.18**	2.000	0.04935	106.7	75	125	09/14/2023
Beryllium		0.0010		**0.0485**	0.0500	0	97.1	75	125	09/14/2023
Boron		0.0250		**0.488**	0.5000	0	97.6	75	125	09/14/2023
Cadmium		0.0010		**0.0496**	0.0500	0	99.2	75	125	09/14/2023
Chromium		0.0015		**0.206**	0.2000	0.0007224	102.6	75	125	09/14/2023
Cobalt		0.0010		**0.417**	0.5000	0	83.3	75	125	09/01/2023
Copper		0.0010		**0.254**	0.2500	0.001428	101.1	75	125	09/14/2023
Iron		0.0250		**2.05**	2.000	0.01838	101.6	75	125	09/14/2023
Lead		0.0010		**0.528**	0.5000	0	105.7	75	125	09/14/2023
Manganese		0.0020		**0.534**	0.5000	0.003166	106.1	75	125	09/14/2023
Molybdenum	*	0.0015		**0.505**	0.5000	0	101.1	75	125	09/14/2023
Nickel		0.0010		**0.504**	0.5000	0	100.8	75	125	09/14/2023
Selenium		0.0010		**0.441**	0.5000	0	88.2	75	125	09/01/2023
Silver		0.0010		**0.0467**	0.0500	0	93.3	75	125	09/14/2023
Thallium		0.0020		**0.226**	0.2500	0	90.4	75	125	09/01/2023
Vanadium		0.0050		**0.447**	0.5000	0	89.4	75	125	09/01/2023
Zinc		0.0150		**0.466**	0.5000	0	93.3	75	125	09/14/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210902 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-030DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.81**	2.000	0	90.6	1.842	1.62	09/14/2023
Antimony		0.0010		**0.473**	0.5000	0	94.6	0.4692	0.85	09/01/2023
Arsenic		0.0010		**0.519**	0.5000	0	103.8	0.5268	1.46	09/14/2023
Barium		0.0010		**2.12**	2.000	0.04935	103.5	2.183	2.94	09/14/2023
Beryllium		0.0010		**0.0480**	0.0500	0	96.0	0.04854	1.11	09/14/2023
Boron		0.0250		**0.499**	0.5000	0	99.8	0.4879	2.23	09/14/2023
Cadmium		0.0010		**0.0478**	0.0500	0	95.7	0.04958	3.59	09/14/2023
Chromium		0.0015		**0.202**	0.2000	0.0007224	100.7	0.2059	1.90	09/14/2023
Cobalt		0.0010		**0.415**	0.5000	0	82.9	0.4166	0.46	09/01/2023
Copper		0.0010		**0.241**	0.2500	0.001428	95.9	0.2541	5.26	09/14/2023
Iron		0.0250		**1.98**	2.000	0.01838	98.3	2.051	3.30	09/14/2023
Lead		0.0010		**0.509**	0.5000	0	101.8	0.5284	3.72	09/14/2023
Manganese		0.0020		**0.512**	0.5000	0.003166	101.7	0.5335	4.15	09/14/2023
Molybdenum	*	0.0015		**0.490**	0.5000	0	98.0	0.5054	3.11	09/14/2023
Nickel		0.0010		**0.486**	0.5000	0	97.2	0.5040	3.68	09/14/2023
Selenium		0.0010		**0.438**	0.5000	0	87.7	0.4408	0.58	09/01/2023
Silver		0.0010		**0.0449**	0.0500	0	89.9	0.04667	3.77	09/14/2023
Thallium		0.0020		**0.222**	0.2500	0	88.7	0.2261	1.96	09/01/2023
Vanadium		0.0050		**0.445**	0.5000	0	89.0	0.4468	0.44	09/01/2023
Zinc		0.0150		**0.457**	0.5000	0	91.4	0.4664	2.07	09/14/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210928 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210928

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/08/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/08/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/08/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/08/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	09/08/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/08/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/08/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/08/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/01/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/08/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/08/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/08/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/08/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/08/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/08/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/01/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/08/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	09/01/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	09/01/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	09/08/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210928 **SampType:** LCS Units **mg/L**

SampID: LCS-210928

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.07**	2.000	0	103.3	80	120	09/08/2023
Antimony		0.0010		**0.450**	0.5000	0	90.1	80	120	09/01/2023
Arsenic		0.0010		**0.495**	0.5000	0	99.1	80	120	09/08/2023
Barium		0.0010		**2.33**	2.000	0	116.5	80	120	09/08/2023
Beryllium		0.0010		**0.0461**	0.0500	0	92.3	80	120	09/08/2023
Boron		0.0250		**0.484**	0.5000	0	96.7	80	120	09/08/2023
Cadmium		0.0010		**0.0492**	0.0500	0	98.5	80	120	09/08/2023
Chromium		0.0015		**0.196**	0.2000	0	98.1	80	120	09/08/2023
Cobalt		0.0010		**0.477**	0.5000	0	95.4	80	120	09/01/2023
Copper		0.0010		**0.265**	0.2500	0	106.2	80	120	09/08/2023
Iron		0.0250		**1.98**	2.000	0	98.9	80	120	09/08/2023
Lead		0.0010		**0.503**	0.5000	0	100.6	80	120	09/08/2023
Manganese		0.0020		**0.506**	0.5000	0	101.1	80	120	09/08/2023
Molybdenum	*	0.0015		**0.499**	0.5000	0	99.9	80	120	09/08/2023
Nickel		0.0010		**0.527**	0.5000	0	105.3	80	120	09/08/2023
Selenium		0.0010		**0.443**	0.5000	0	88.6	80	120	09/01/2023
Silver		0.0010		**0.0525**	0.0500	0	105.1	80	120	09/08/2023
Thallium		0.0020		**0.227**	0.2500	0	91.0	80	120	09/01/2023
Vanadium		0.0050		**0.451**	0.5000	0	90.1	80	120	09/01/2023
Zinc		0.0150		**0.413**	0.5000	0	82.6	80	120	09/08/2023

Batch 210928 **SampType:** MS Units **mg/L**

SampID: 23071810-094DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.98**	2.000	0.1910	89.3	75	125	09/13/2023
Iron		0.0250		**2.00**	2.000	0	99.9	75	125	09/13/2023
Manganese		0.0400	S	**6.89**	0.5000	6.769	24.2	75	125	09/13/2023

Batch 210928 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-094DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**2.00**	2.000	0.1910	90.2	1.977	0.93	09/13/2023
Iron		0.0250		**1.97**	2.000	0	98.7	1.999	1.26	09/13/2023
Manganese		0.0400	S	**7.01**	0.5000	6.769	48.1	6.890	1.71	09/13/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210770 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210770

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	08/22/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/22/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/23/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/22/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/22/2023
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/22/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/22/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/23/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/23/2023
Copper		0.0010	S	**0.0025**	0.0003	0	837.0	-100	100	08/29/2023
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/23/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/22/2023
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	08/23/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/23/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/22/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/22/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/22/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/22/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/26/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/23/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/22/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210770 **SampType:** LCS Units **mg/L**

SampID: LCS-210770

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.92**	2.000	0	96.1	85	115	08/22/2023
Antimony		0.0010		**0.538**	0.5000	0	107.6	85	115	08/22/2023
Arsenic		0.0010		**0.552**	0.5000	0	110.5	85	115	08/23/2023
Barium		0.0010		**2.20**	2.000	0	110.2	85	115	08/22/2023
Beryllium		0.0010		**0.0495**	0.0500	0	99.1	85	115	08/22/2023
Boron	*	0.0250		**0.502**	0.5000	0	100.3	85	115	08/22/2023
Cadmium		0.0010		**0.0521**	0.0500	0	104.2	85	115	08/22/2023
Chromium		0.0015		**0.197**	0.2000	0	98.5	85	115	08/23/2023
Cobalt		0.0010		**0.516**	0.5000	0	103.2	85	115	08/23/2023
Copper		0.0010	B	**0.276**	0.2500	0	110.4	85	115	08/29/2023
Iron	*	0.0250		**1.94**	2.000	0	96.8	85	115	08/23/2023
Lead		0.0010		**0.532**	0.5000	0	106.4	85	115	08/22/2023
Lithium	*	0.0030		**0.469**	0.5000	0	93.9	85	115	08/23/2023
Manganese		0.0020		**0.502**	0.5000	0	100.5	85	115	08/23/2023
Molybdenum	*	0.0015		**0.489**	0.5000	0	97.7	85	115	08/22/2023
Nickel		0.0010		**0.529**	0.5000	0	105.9	85	115	08/22/2023
Selenium		0.0010		**0.524**	0.5000	0	104.8	85	115	08/22/2023
Thallium		0.0020		**0.263**	0.2500	0	105.3	85	115	08/26/2023
Vanadium		0.0050		**0.507**	0.5000	0	101.4	85	115	08/23/2023
Zinc		0.0150		**0.508**	0.5000	0	101.5	85	115	08/22/2023

Batch 210770 **SampType:** MS Units **mg/L**

SampID: 23071810-009CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.548**	0.5000	0.01338	106.9	75	125	09/13/2023

Batch 210770 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-009CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.555**	0.5000	0.01338	108.2	0.5478	1.23	09/13/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210785 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210785

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	09/10/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/16/2023
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/16/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/16/2023

Batch 210785 **SampType:** LCS Units **mg/L**
SampID: LCS-210785

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.481**	0.5000	0	96.3	80	120	09/10/2023
Copper		0.0010		**0.274**	0.2500	0	109.4	85	115	08/16/2023
Iron	*	0.0250		**2.08**	2.000	0	104.0	85	115	08/16/2023
Manganese		0.0020		**0.505**	0.5000	0	101.1	85	115	08/16/2023

Batch 210785 **SampType:** LCSD Units **mg/L** RPD Limit **20**
SampID: LCSD-210785

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.465**	0.5000	0	92.9	0.4813	3.53	09/11/2023
Copper		0.0010		**0.262**	0.2500	0	104.9	0.2736	4.28	08/16/2023
Iron	*	0.0250		**2.07**	2.000	0	103.3	2.079	0.65	08/16/2023
Manganese		0.0020		**0.499**	0.5000	0	99.7	0.5054	1.35	08/16/2023

Batch 210785 **SampType:** MS Units **mg/L**
SampID: 23071810-012CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.483**	0.5000	0	96.6	75	125	09/11/2023

Batch 210785 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-012CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.489**	0.5000	0	97.9	0.4832	1.29	09/11/2023

Batch 210785 **SampType:** MS Units **mg/L**
SampID: 23071810-017CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.481**	0.5000	0	96.2	75	125	09/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch **210785** **SampType:** **MSD** Units **mg/L** RPD Limit **20**
SampID: 23071810-017CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.480**	0.5000	0	96.0	0.4808	0.12	09/11/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210812 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210812

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	08/30/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/29/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/29/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	08/30/2023
Beryllium		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/30/2023
Boron	*	0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/30/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/29/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/29/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/30/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Copper		0.0010	S	**0.0010**	0.0003	0	345.1	-100	100	08/29/2023
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/29/2023
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/30/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/29/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	08/30/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/30/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/29/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/30/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/29/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/30/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/29/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/29/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/30/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/29/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/30/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/29/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210812 **SampType:** LCS Units **mg/L**
SampID: LCS-210812

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.80**	2.000	0	90.1	85	115	08/30/2023
Antimony		0.0010		**0.507**	0.5000	0	101.4	85	115	08/30/2023
Antimony		0.0010		**0.516**	0.5000	0	103.3	85	115	08/30/2023
Arsenic		0.0010		**0.528**	0.5000	0	105.6	85	115	08/30/2023
Arsenic		0.0010		**0.532**	0.5000	0	106.5	85	115	08/30/2023
Barium		0.0010		**2.07**	2.000	0	103.5	85	115	08/30/2023
Beryllium		0.0010		**0.0486**	0.0500	0	97.2	85	115	08/30/2023
Boron	*	0.0250		**0.512**	0.5000	0	102.4	85	115	08/30/2023
Cadmium		0.0010		**0.0509**	0.0500	0	101.7	85	115	08/30/2023
Cadmium		0.0010		**0.0498**	0.0500	0	99.6	85	115	08/30/2023
Chromium		0.0015		**0.203**	0.2000	0	101.3	85	115	08/30/2023
Chromium		0.0015		**0.212**	0.2000	0	105.9	85	115	08/30/2023
Cobalt		0.0010		**0.524**	0.5000	0	104.7	85	115	08/30/2023
Copper		0.0010	B	**0.263**	0.2500	0	105.0	85	115	08/30/2023
Iron	*	0.0250		**2.01**	2.000	0	100.6	85	115	08/30/2023
Iron	*	0.0250		**2.09**	2.000	0	104.5	85	115	08/30/2023
Lead		0.0010		**0.475**	0.5000	0	95.0	85	115	08/30/2023
Lead		0.0010		**0.515**	0.5000	0	102.9	85	115	08/30/2023
Lithium	*	0.0030		**0.512**	0.5000	0	102.5	85	115	08/30/2023
Manganese		0.0020		**0.513**	0.5000	0	102.6	85	115	08/30/2023
Molybdenum	*	0.0015		**0.505**	0.5000	0	101.1	85	115	08/30/2023
Molybdenum	*	0.0015		**0.499**	0.5000	0	99.7	85	115	08/30/2023
Nickel		0.0010		**0.531**	0.5000	0	106.2	85	115	08/30/2023
Nickel		0.0010		**0.504**	0.5000	0	100.7	85	115	08/30/2023
Selenium		0.0010		**0.477**	0.5000	0	95.4	85	115	08/30/2023
Selenium		0.0010		**0.491**	0.5000	0	98.1	85	115	08/30/2023
Silver		0.0010	S	**0.0579**	0.0500	0	115.7	85	115	08/30/2023
Thallium		0.0020		**0.251**	0.2500	0	100.6	85	115	08/30/2023
Vanadium		0.0050		**0.512**	0.5000	0	102.5	85	115	08/30/2023
Vanadium		0.0050		**0.507**	0.5000	0	101.4	85	115	08/30/2023
Zinc		0.0150		**0.453**	0.5000	0	90.5	85	115	08/30/2023
Zinc		0.0150		**0.475**	0.5000	0	94.9	85	115	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210812 **SampType:** MS Units **mg/L**
SampID: 23071810-101CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0250		**0.483**	0.5000	0.01088	94.3	75	125	09/11/2023

Batch 210812 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-101CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0250		**0.480**	0.5000	0.01088	93.8	0.4825	0.58	09/11/2023

Batch 210813 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210813

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	08/31/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/31/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/31/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/07/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	08/31/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	08/31/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/31/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	08/31/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/31/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	08/31/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	08/31/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/31/2023
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	08/31/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	08/31/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	08/31/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	08/31/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/31/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/31/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/31/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/31/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	09/07/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210813 **SampType:** LCS Units **mg/L**

SampID: LCS-210813

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.99**	2.000	0	99.4	80	120	08/31/2023
Antimony		0.0010		**0.540**	0.5000	0	107.9	80	120	08/31/2023
Arsenic		0.0010		**0.513**	0.5000	0	102.5	80	120	08/31/2023
Barium		0.0010		**2.36**	2.000	0	117.8	80	120	09/07/2023
Beryllium		0.0010		**0.0498**	0.0500	0	99.7	80	120	08/31/2023
Boron		0.0250		**0.510**	0.5000	0	101.9	80	120	08/31/2023
Cadmium		0.0010		**0.0506**	0.0500	0	101.1	80	120	08/31/2023
Chromium		0.0015		**0.199**	0.2000	0	99.7	80	120	08/31/2023
Cobalt		0.0010		**0.495**	0.5000	0	99.1	80	120	08/31/2023
Copper		0.0010		**0.250**	0.2500	0	100.0	80	120	08/31/2023
Iron		0.0250		**1.98**	2.000	0	99.0	80	120	08/31/2023
Lead		0.0010		**0.508**	0.5000	0	101.6	80	120	08/31/2023
Lithium	*	0.0030		**0.519**	0.5000	0	103.9	80	120	08/31/2023
Manganese		0.0020		**0.493**	0.5000	0	98.6	80	120	08/31/2023
Molybdenum	*	0.0015		**0.482**	0.5000	0	96.5	80	120	08/31/2023
Nickel		0.0010		**0.497**	0.5000	0	99.4	80	120	08/31/2023
Selenium		0.0010		**0.467**	0.5000	0	93.5	80	120	08/31/2023
Silver		0.0010		**0.0563**	0.0500	0	112.6	80	120	08/31/2023
Thallium		0.0020		**0.247**	0.2500	0	98.8	80	120	08/31/2023
Vanadium		0.0050		**0.497**	0.5000	0	99.5	80	120	08/31/2023
Zinc		0.0150		**0.421**	0.5000	0	84.2	80	120	09/07/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210813 **SampType:** MS Units **mg/L**
SampID: 23071810-082CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.564**	0.5000	0	112.9	75	125	09/01/2023
Arsenic		0.0010		**0.531**	0.5000	0.002037	105.9	75	125	09/01/2023
Beryllium		0.0010		**0.0509**	0.0500	0.0003377	101.0	75	125	09/01/2023
Boron		0.0250		**0.655**	0.5000	0.1486	101.2	75	125	09/01/2023
Cadmium		0.0010		**0.0509**	0.0500	0	101.8	75	125	09/01/2023
Chromium		0.0015		**0.198**	0.2000	0	98.8	75	125	09/01/2023
Cobalt		0.0010		**0.486**	0.5000	0.003099	96.6	75	125	09/01/2023
Lead		0.0010		**0.556**	0.5000	0	111.1	75	125	09/08/2023
Lithium	*	0.0030		**0.535**	0.5000	0.009555	105.0	75	125	09/01/2023
Molybdenum	*	0.0015		**0.493**	0.5000	0	98.6	75	125	09/01/2023
Selenium		0.0010		**0.470**	0.5000	0	94.0	75	125	09/01/2023
Thallium		0.0020		**0.248**	0.2500	0	99.2	75	125	09/01/2023

Batch 210813 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-082CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.550**	0.5000	0	110.0	0.5643	2.57	09/01/2023
Arsenic		0.0010		**0.535**	0.5000	0.002037	106.6	0.5314	0.74	09/01/2023
Beryllium		0.0010		**0.0515**	0.0500	0.0003377	102.4	0.05086	1.30	09/01/2023
Boron		0.0250		**0.665**	0.5000	0.1486	103.3	0.6546	1.57	09/01/2023
Cadmium		0.0010		**0.0506**	0.0500	0	101.2	0.05088	0.51	09/01/2023
Chromium		0.0015		**0.201**	0.2000	0	100.7	0.1975	1.91	09/01/2023
Cobalt		0.0010		**0.497**	0.5000	0.003099	98.8	0.4863	2.24	09/01/2023
Lead		0.0010		**0.562**	0.5000	0	112.5	0.5557	1.21	09/08/2023
Lithium	*	0.0030		**0.534**	0.5000	0.009555	105.0	0.5346	0.04	09/01/2023
Molybdenum	*	0.0015		**0.499**	0.5000	0	99.7	0.4928	1.18	09/01/2023
Selenium		0.0010		**0.478**	0.5000	0	95.6	0.4700	1.66	09/01/2023
Thallium		0.0020		**0.251**	0.2500	0	100.3	0.2480	1.06	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210813 **SampType:** MS Units **mg/L**
SampID: 23071810-083CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.593**	0.5000	0	118.6	75	125	09/01/2023
Arsenic		0.0010		**0.519**	0.5000	0.0004430	103.6	75	125	09/01/2023
Beryllium		0.0010		**0.0544**	0.0500	0	108.7	75	125	09/01/2023
Boron		0.0250		**0.645**	0.5000	0.1544	98.1	75	125	09/01/2023
Cadmium		0.0010		**0.0540**	0.0500	0	107.9	75	125	09/01/2023
Chromium		0.0015		**0.200**	0.2000	0	99.8	75	125	09/01/2023
Cobalt		0.0010		**0.482**	0.5000	0.0005448	96.3	75	125	09/01/2023
Lead		0.0010		**0.554**	0.5000	0	110.8	75	125	09/08/2023
Lithium	*	0.0030		**0.556**	0.5000	0.01277	108.6	75	125	09/01/2023
Molybdenum	*	0.0015		**0.515**	0.5000	0.001624	102.6	75	125	09/01/2023
Selenium		0.0010		**0.465**	0.5000	0.001508	92.7	75	125	09/01/2023
Thallium		0.0020		**0.252**	0.2500	0.001437	100.2	75	125	09/01/2023

Batch 210813 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-083CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		0.0010		**0.624**	0.5000	0	124.8	0.5931	5.08	09/01/2023
Arsenic		0.0010		**0.557**	0.5000	0.0004430	111.3	0.5186	7.16	09/01/2023
Beryllium		0.0010		**0.0548**	0.0500	0	109.6	0.05435	0.81	09/01/2023
Boron		0.0250		**0.664**	0.5000	0.1544	101.8	0.6450	2.84	09/01/2023
Cadmium		0.0010		**0.0576**	0.0500	0	115.2	0.05396	6.54	09/01/2023
Chromium		0.0015		**0.206**	0.2000	0	103.0	0.1996	3.17	09/01/2023
Cobalt		0.0010		**0.510**	0.5000	0.0005448	102.0	0.4821	5.70	09/01/2023
Lead		0.0010		**0.559**	0.5000	0	111.8	0.5538	0.90	09/08/2023
Lithium	*	0.0030		**0.560**	0.5000	0.01277	109.5	0.5560	0.74	09/01/2023
Molybdenum	*	0.0015		**0.537**	0.5000	0.001624	107.2	0.5145	4.36	09/01/2023
Selenium		0.0010		**0.495**	0.5000	0.001508	98.6	0.4652	6.11	09/01/2023
Thallium		0.0020		**0.261**	0.2500	0.001437	103.8	0.2520	3.51	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210826 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210826

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/01/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/07/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/01/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	09/01/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/01/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/01/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/01/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/01/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/01/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/07/2023
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	09/01/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/01/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/01/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/01/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	09/01/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210826 **SampType:** LCS Units **mg/L**

SampID: LCS-210826

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.07**	2.000	0	103.6	80	120	09/01/2023
Antimony		0.0010		**0.565**	0.5000	0	112.9	80	120	09/01/2023
Arsenic		0.0010		**0.549**	0.5000	0	109.8	80	120	09/01/2023
Barium		0.0010		**2.32**	2.000	0	116.1	80	120	09/08/2023
Beryllium		0.0010		**0.0524**	0.0500	0	104.8	80	120	09/01/2023
Boron		0.0250		**0.525**	0.5000	0	104.9	80	120	09/01/2023
Cadmium		0.0010		**0.0528**	0.0500	0	105.7	80	120	09/01/2023
Chromium		0.0015		**0.205**	0.2000	0	102.7	80	120	09/01/2023
Cobalt		0.0010		**0.511**	0.5000	0	102.1	80	120	09/01/2023
Iron		0.0250		**2.04**	2.000	0	102.0	80	120	09/01/2023
Lead		0.0010		**0.572**	0.5000	0	114.5	80	120	09/07/2023
Lithium	*	0.0030		**0.545**	0.5000	0	109.0	80	120	09/01/2023
Manganese		0.0020		**0.522**	0.5000	0	104.3	80	120	09/01/2023
Molybdenum	*	0.0015		**0.510**	0.5000	0	102.0	80	120	09/01/2023
Selenium		0.0010		**0.497**	0.5000	0	99.4	80	120	09/01/2023
Thallium		0.0020		**0.250**	0.2500	0	100.1	80	120	09/01/2023

Batch 210826 **SampType:** MS Units **mg/L**

SampID: 23071810-105CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.18**	2.000	0.1244	102.7	75	125	09/01/2023
Antimony		0.0010		**0.544**	0.5000	0	108.7	75	125	09/01/2023
Arsenic		0.0010		**0.531**	0.5000	0.002203	105.8	75	125	09/01/2023
Barium		0.0010		**2.39**	2.000	0.1183	113.5	75	125	09/08/2023
Beryllium		0.0010		**0.0527**	0.0500	0	105.4	75	125	09/01/2023
Boron		0.0250		**2.48**	0.5000	1.917	111.9	75	125	09/01/2023
Cadmium		0.0010		**0.0508**	0.0500	0	101.5	75	125	09/01/2023
Chromium		0.0015		**0.202**	0.2000	0	101.2	75	125	09/01/2023
Cobalt		0.0010		**0.504**	0.5000	0.0001336	100.7	75	125	09/01/2023
Iron		0.0250		**3.28**	2.000	1.210	103.7	75	125	09/01/2023
Lead		0.0010		**0.575**	0.5000	0	115.0	75	125	09/07/2023
Lithium	*	0.0030		**0.587**	0.5000	0.05368	106.7	75	125	09/01/2023
Manganese		0.0020		**0.592**	0.5000	0.09027	100.4	75	125	09/01/2023
Molybdenum	*	0.0015		**0.517**	0.5000	0.02080	99.3	75	125	09/01/2023
Selenium		0.0010		**0.477**	0.5000	0	95.4	75	125	09/01/2023
Thallium		0.0020		**0.252**	0.2500	0	100.9	75	125	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210826 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-105CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**2.13**	2.000	0.1244	100.1	2.178	2.44	09/01/2023
Antimony		0.0010		**0.549**	0.5000	0	109.9	0.5436	1.05	09/01/2023
Arsenic		0.0010		**0.525**	0.5000	0.002203	104.6	0.5313	1.15	09/01/2023
Barium		0.0010		**2.43**	2.000	0.1183	115.7	2.388	1.84	09/08/2023
Beryllium		0.0010		**0.0501**	0.0500	0	100.2	0.05272	5.10	09/01/2023
Boron		0.0250		**2.42**	0.5000	1.917	99.6	2.477	2.52	09/01/2023
Cadmium		0.0010		**0.0513**	0.0500	0	102.6	0.05076	1.02	09/01/2023
Chromium		0.0015		**0.198**	0.2000	0	99.2	0.2025	2.08	09/01/2023
Cobalt		0.0010		**0.492**	0.5000	0.0001336	98.4	0.5036	2.26	09/01/2023
Iron		0.0250		**3.16**	2.000	1.210	97.7	3.284	3.70	09/01/2023
Lead		0.0010		**0.557**	0.5000	0	111.5	0.5750	3.12	09/07/2023
Lithium	*	0.0030		**0.583**	0.5000	0.05368	105.8	0.5874	0.82	09/01/2023
Manganese		0.0020		**0.581**	0.5000	0.09027	98.2	0.5921	1.88	09/01/2023
Molybdenum	*	0.0015		**0.520**	0.5000	0.02080	99.9	0.5172	0.55	09/01/2023
Selenium		0.0010		**0.470**	0.5000	0	94.0	0.4770	1.50	09/01/2023
Thallium		0.0020		**0.254**	0.2500	0	101.7	0.2522	0.86	09/01/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210901 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210901

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/01/2023
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/07/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/01/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	09/01/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/01/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/01/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/01/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/01/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/01/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/07/2023
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	09/01/2023
Manganese		0.0020	S	**0.0124**	0.0008	0	1659	-100	100	09/01/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/01/2023
Nickel		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/01/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/01/2023
Silver		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/01/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	09/01/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	09/01/2023
Zinc		0.0150		**< 0.0150**	0.0059	0	0	-100	100	09/01/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210901 **SampType:** LCS Units **mg/L**

SampID: LCS-210901

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.10**	2.000	0	105.1	80	120	09/01/2023
Antimony		0.0010		**0.563**	0.5000	0	112.6	80	120	09/01/2023
Arsenic		0.0010		**0.522**	0.5000	0	104.3	80	120	09/01/2023
Barium		0.0010		**2.19**	2.000	0	109.6	80	120	09/08/2023
Beryllium		0.0010		**0.0522**	0.0500	0	104.4	80	120	09/01/2023
Boron		0.0250		**0.520**	0.5000	0	103.9	80	120	09/01/2023
Cadmium		0.0010		**0.0521**	0.0500	0	104.3	80	120	09/01/2023
Chromium		0.0015		**0.202**	0.2000	0	101.2	80	120	09/01/2023
Cobalt		0.0010		**0.501**	0.5000	0	100.2	80	120	09/01/2023
Copper		0.0010		**0.245**	0.2500	0	98.0	80	120	09/01/2023
Iron		0.0250		**2.00**	2.000	0	100.0	80	120	09/01/2023
Lead		0.0010		**0.514**	0.5000	0	102.8	80	120	09/07/2023
Lithium	*	0.0030		**0.540**	0.5000	0	108.0	80	120	09/01/2023
Manganese		0.0020	B	**0.504**	0.5000	0	100.9	80	120	09/01/2023
Manganese		0.0020	B	**0.519**	0.5000	0	103.8	80	120	09/08/2023
Molybdenum	*	0.0015		**0.485**	0.5000	0	97.0	80	120	09/01/2023
Nickel		0.0010		**0.497**	0.5000	0	99.5	80	120	09/01/2023
Selenium		0.0010		**0.468**	0.5000	0	93.5	80	120	09/01/2023
Silver		0.0010		**0.0561**	0.0500	0	112.1	80	120	09/01/2023
Thallium		0.0020		**0.251**	0.2500	0	100.3	80	120	09/01/2023
Vanadium		0.0050		**0.513**	0.5000	0	102.7	80	120	09/01/2023
Zinc		0.0150		**0.505**	0.5000	0	101.0	80	120	09/01/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210901 **SampType:** MS Units **mg/L**
SampID: 23071810-028CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.13**	2.000	0.01360	105.7	75	125	09/01/2023
Antimony		0.0010		**0.558**	0.5000	0	111.5	75	125	09/01/2023
Arsenic		0.0010		**0.533**	0.5000	0	106.7	75	125	09/01/2023
Beryllium		0.0010		**0.0540**	0.0500	0	107.9	75	125	09/01/2023
Boron		0.0250		**0.552**	0.5000	0.01171	108.0	75	125	09/01/2023
Cadmium		0.0010		**0.0519**	0.0500	0	103.7	75	125	09/01/2023
Chromium		0.0015		**0.205**	0.2000	0.0008107	102.2	75	125	09/01/2023
Cobalt		0.0010		**0.513**	0.5000	0	102.7	75	125	09/01/2023
Copper		0.0010		**0.250**	0.2500	0.001259	99.5	75	125	09/01/2023
Iron		0.0250		**2.08**	2.000	0.04023	101.9	75	125	09/01/2023
Lead		0.0010		**0.539**	0.5000	0	107.8	75	125	09/07/2023
Molybdenum	*	0.0015		**0.511**	0.5000	0.0007056	102.1	75	125	09/01/2023
Nickel		0.0010		**0.507**	0.5000	0.0004437	101.3	75	125	09/01/2023
Selenium		0.0010		**0.482**	0.5000	0.002385	95.9	75	125	09/01/2023
Silver		0.0010		**0.0570**	0.0500	0	113.9	75	125	09/01/2023
Thallium		0.0020		**0.253**	0.2500	0	101.2	75	125	09/01/2023
Vanadium		0.0050		**0.515**	0.5000	0	103.0	75	125	09/01/2023
Zinc		0.0150		**0.519**	0.5000	0	103.8	75	125	09/01/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch **210901** **SampType:** **MSD** Units **mg/L** RPD Limit **20**

SampID: 23071810-028CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**2.07**	2.000	0.01360	103.0	2.127	2.49	09/01/2023
Antimony		0.0010		**0.552**	0.5000	0	110.3	0.5576	1.07	09/01/2023
Arsenic		0.0010		**0.525**	0.5000	0	105.0	0.5333	1.59	09/01/2023
Beryllium		0.0010		**0.0527**	0.0500	0	105.4	0.05397	2.37	09/01/2023
Boron		0.0250		**0.536**	0.5000	0.01171	104.9	0.5515	2.81	09/01/2023
Cadmium		0.0010		**0.0519**	0.0500	0	103.8	0.05187	0.06	09/01/2023
Chromium		0.0015		**0.201**	0.2000	0.0008107	100.3	0.2051	1.86	09/01/2023
Cobalt		0.0010		**0.503**	0.5000	0	100.6	0.5133	2.02	09/01/2023
Copper		0.0010		**0.245**	0.2500	0.001259	97.3	0.2499	2.14	09/01/2023
Iron		0.0250		**2.06**	2.000	0.04023	101.1	2.079	0.79	09/01/2023
Lead		0.0010		**0.537**	0.5000	0	107.3	0.5391	0.45	09/07/2023
Molybdenum	*	0.0015		**0.495**	0.5000	0.0007056	98.9	0.5110	3.14	09/01/2023
Nickel		0.0010		**0.489**	0.5000	0.0004437	97.8	0.5070	3.54	09/01/2023
Selenium		0.0010		**0.478**	0.5000	0.002385	95.1	0.4820	0.84	09/01/2023
Silver		0.0010		**0.0562**	0.0500	0	112.4	0.05697	1.38	09/01/2023
Thallium		0.0020		**0.255**	0.2500	0	102.1	0.2530	0.86	09/01/2023
Vanadium		0.0050		**0.512**	0.5000	0	102.4	0.5150	0.59	09/01/2023
Zinc		0.0150		**0.518**	0.5000	0	103.5	0.5192	0.29	09/01/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210926 **SampType:** MBLK Units **mg/L**

SampID: MBLK-210926

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0125	0	0	-100	100	09/10/2023
Antimony		0.0010		**< 0.0010**	0.0008	0	0	-100	100	08/30/2023
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/10/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/10/2023
Beryllium		0.0010		**< 0.0010**	0.0002	0	0	-100	100	09/10/2023
Boron		0.0250		**< 0.0250**	0.0093	0	0	-100	100	09/10/2023
Cadmium		0.0010		**< 0.0010**	0.0001	0	0	-100	100	09/10/2023
Chromium		0.0015		**< 0.0015**	0.0007	0	0	-100	100	09/10/2023
Cobalt		0.0010		**< 0.0010**	0.0001	0	0	-100	100	08/30/2023
Iron		0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/10/2023
Lead		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/10/2023
Lithium	*	0.0030		**< 0.0030**	0.0015	0	0	-100	100	08/30/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/10/2023
Molybdenum	*	0.0015		**< 0.0015**	0.0006	0	0	-100	100	09/11/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	08/30/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	08/30/2023
Vanadium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 210926 **SampType:** LCS Units **mg/L**
SampID: LCS-210926

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.90**	2.000	0	95.2	80	120	09/13/2023
Antimony		0.0010		**0.502**	0.5000	0	100.3	80	120	08/30/2023
Arsenic		0.0010		**0.554**	0.5000	0	110.9	80	120	09/13/2023
Barium		0.0010		**2.24**	2.000	0	112.1	80	120	09/13/2023
Beryllium		0.0010		**0.0468**	0.0500	0	93.6	80	120	09/13/2023
Boron		0.0250		**0.595**	0.5000	0	119.0	80	120	09/10/2023
Cadmium		0.0010		**0.0517**	0.0500	0	103.4	80	120	09/13/2023
Chromium		0.0015		**0.216**	0.2000	0	107.8	80	120	09/13/2023
Cobalt		0.0010		**0.568**	0.5000	0	113.5	80	120	08/30/2023
Iron		0.0250		**2.17**	2.000	0	108.5	80	120	09/13/2023
Lithium	*	0.0030		**0.505**	0.5000	0	101.1	80	120	08/31/2023
Manganese		0.0020		**0.555**	0.5000	0	111.0	80	120	09/13/2023
Molybdenum	*	0.0015		**0.517**	0.5000	0	103.3	80	120	09/13/2023
Selenium		0.0010		**0.480**	0.5000	0	96.0	80	120	08/30/2023
Thallium		0.0020		**0.255**	0.2500	0	102.0	80	120	08/30/2023
Vanadium		0.0050		**0.500**	0.5000	0	100.0	80	120	08/30/2023

Batch 210926 **SampType:** MS Units **mg/L**
SampID: 23071810-052CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.98**	2.000	0.04995	96.4	75	125	09/13/2023
Antimony		0.0010		**0.502**	0.5000	0	100.5	75	125	08/30/2023
Arsenic		0.0010		**0.555**	0.5000	0	110.9	75	125	09/13/2023
Barium		0.0010		**2.41**	2.000	0.1742	111.8	75	125	09/13/2023
Beryllium		0.0010		**0.0508**	0.0500	0	101.5	75	125	09/13/2023
Boron		0.0250		**0.577**	0.5000	0.05451	104.4	75	125	09/11/2023
Cadmium		0.0010		**0.0506**	0.0500	0	101.3	75	125	09/13/2023
Chromium		0.0015		**0.210**	0.2000	0	105.1	75	125	09/13/2023
Cobalt		0.0010		**0.472**	0.5000	0	94.5	75	125	08/30/2023
Iron		0.0250		**4.77**	2.000	2.658	105.5	75	125	09/13/2023
Lead		0.0010		**0.535**	0.5000	0	106.9	75	125	09/13/2023
Lithium	*	0.0030		**0.547**	0.5000	0.01019	107.4	75	125	08/31/2023
Manganese		0.0020		**0.752**	0.5000	0.1774	114.9	75	125	09/13/2023
Molybdenum	*	0.0015		**0.526**	0.5000	0.001671	104.8	75	125	09/13/2023
Selenium		0.0010		**0.456**	0.5000	0	91.3	75	125	08/30/2023
Thallium		0.0020		**0.253**	0.2500	0	101.1	75	125	08/30/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 210926 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-052CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		0.0250		**1.99**	2.000	0.04995	96.8	1.978	0.40	09/13/2023
Antimony		0.0010		**0.522**	0.5000	0	104.4	0.5024	3.88	08/30/2023
Arsenic		0.0010		**0.569**	0.5000	0	113.8	0.5547	2.55	09/13/2023
Barium		0.0010		**2.39**	2.000	0.1742	110.9	2.410	0.69	09/13/2023
Beryllium		0.0010		**0.0503**	0.0500	0	100.5	0.05076	0.97	09/13/2023
Boron		0.0250		**0.574**	0.5000	0.05451	103.8	0.5767	0.55	09/11/2023
Cadmium		0.0010		**0.0499**	0.0500	0	99.8	0.05065	1.45	09/13/2023
Chromium		0.0015		**0.216**	0.2000	0	108.1	0.2102	2.79	09/13/2023
Cobalt		0.0010		**0.494**	0.5000	0	98.9	0.4724	4.56	08/30/2023
Iron		0.0250		**4.88**	2.000	2.658	111.2	4.768	2.37	09/13/2023
Lead		0.0010		**0.546**	0.5000	0	109.1	0.5345	2.04	09/13/2023
Lithium	*	0.0030		**0.528**	0.5000	0.01019	103.5	0.5474	3.65	08/31/2023
Manganese		0.0020		**0.770**	0.5000	0.1774	118.5	0.7517	2.36	09/13/2023
Molybdenum	*	0.0015		**0.524**	0.5000	0.001671	104.6	0.5257	0.25	09/13/2023
Selenium		0.0010		**0.480**	0.5000	0	96.1	0.4563	5.14	08/30/2023
Thallium		0.0020		**0.262**	0.2500	0	104.7	0.2527	3.47	08/30/2023

Batch 211078 **SampType:** MBLK Units **mg/L**

SampID: MBLK-211078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/02/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/08/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/08/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/05/2023

Batch 211078 **SampType:** LCS Units **mg/L**

SampID: LCS-211078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**0.543**	0.5000	0	108.7	85	115	09/02/2023
Barium		0.0010		**2.15**	2.000	0	107.7	80	120	09/08/2023
Manganese		0.0020		**0.520**	0.5000	0	104.0	80	120	09/08/2023
Selenium		0.0010		**0.529**	0.5000	0	105.9	85	115	09/05/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 211078 **SampType:** LCSD Units **mg/L** RPD Limit **20**

SampID: LCSD-211078

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0010		**0.514**	0.5000	0	102.9	0.5433	5.47	09/02/2023
Barium		0.0010		**2.16**	2.000	0	107.8	2.154	0.06	09/08/2023
Manganese		0.0020		**0.515**	0.5000	0	103.0	0.5201	1.04	09/08/2023
Selenium		0.0010		**0.513**	0.5000	0	102.5	0.5144	0.33	09/05/2023

Batch 211078 **SampType:** MS Units **mg/L**

SampID: 23071810-042CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0010		**2.22**	2.000	0.03473	109.1	75	125	09/08/2023
Manganese		0.0020		**0.622**	0.5000	0.1112	102.2	75	125	09/08/2023

Batch 211078 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23071810-042CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium		0.0010		**2.14**	2.000	0.03473	105.3	2.216	3.49	09/08/2023
Manganese		0.0020		**0.606**	0.5000	0.1112	98.9	0.6221	2.66	09/08/2023

Batch 211843 **SampType:** MBLK Units **mg/L**

SampID: MBLK-211843

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/18/2023
Barium		0.0010		**< 0.0010**	0.0007	0	0	-100	100	09/15/2023
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/15/2023
Manganese		0.0020		**< 0.0020**	0.0008	0	0	-100	100	09/15/2023
Thallium		0.0020		**< 0.0020**	0.0010	0	0	-100	100	09/15/2023

Batch 211843 **SampType:** LCS Units **mg/L**

SampID: LCS-211843

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0010		**0.516**	0.5000	0	103.3	80	120	09/18/2023
Barium		0.0010		**2.27**	2.000	0	113.4	80	120	09/15/2023
Copper		0.0010		**0.263**	0.2500	0	105.2	80	120	09/15/2023
Manganese		0.0020		**0.543**	0.5000	0	108.7	80	120	09/15/2023
Thallium		0.0020		**0.257**	0.2500	0	102.8	80	120	09/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

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

Batch 211843 **SampType:** MS Units **mg/L**
SampID: 23071810-078CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Manganese		0.0080	S	**4.95**	1.000	5.423	-47.4	75	125	09/18/2023

Batch 211843 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-078CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Manganese		0.0080	S	**5.10**	1.000	5.423	-32.7	4.948	2.92	09/18/2023

Batch 211843 **SampType:** MS Units **mg/L**
SampID: 23071810-082CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0010	S	**5.38**	4.000	0.2086	129.3	75	125	09/15/2023

Batch 211843 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-082CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium		0.0010	S	**5.56**	4.000	0.2086	133.9	5.379	3.38	09/15/2023

Batch 211843 **SampType:** MS Units **mg/L**
SampID: 23071810-083CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		0.0010	S	**5.23**	4.000	0.03066	130.0	75	125	09/15/2023

Batch 211843 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-083CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium		0.0010	S	**5.37**	4.000	0.03066	133.5	5.231	2.63	09/15/2023

Batch 211883 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211883

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Copper		0.0010		**< 0.0010**	0.0003	0	0	-100	100	09/15/2023

Batch 211883 **SampType:** LCS Units **mg/L**
SampID: LCS-211883

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Copper		0.0010		**0.275**	0.2500	0	109.9	80	120	09/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23071810

Client Project: COF-23Q3 **Report Date:** 21-Nov-23

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

Batch 212184 **SampType:** MBLK Units **mg/L**
SampID: MBLK-212184

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**< 0.0010**	0.0004	0	0	-100	100	09/20/2023
Iron	*	0.0250		**< 0.0250**	0.0115	0	0	-100	100	09/20/2023
Selenium		0.0010		**< 0.0010**	0.0006	0	0	-100	100	09/20/2023

Batch 212184 **SampType:** LCS Units **mg/L**
SampID: LCS-212184

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0010		**0.515**	0.5000	0	103.1	85	115	09/20/2023
Iron	*	0.0250		**2.14**	2.000	0	106.9	85	115	09/20/2023
Selenium		0.0010		**0.455**	0.5000	0	91.0	85	115	09/20/2023

Batch 212184 **SampType:** MS Units **mg/L**
SampID: 23071810-114BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0250		**2.34**	2.000	0.3837	97.6	75	125	09/20/2023

Batch 212184 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23071810-114BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0250		**2.31**	2.000	0.3837	96.2	2.335	1.17	09/20/2023

SW-846 7470A (DISSOLVED)

Batch 210710 **SampType:** MS Units **mg/L**
SampID: 23071810-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00516**	0.0050	0	103.2	75	125	08/14/2023

Batch 210710 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00512**	0.0050	0	102.3	0.005162	0.88	08/14/2023

Batch 210850 **SampType:** MS Units **mg/L**
SampID: 23071810-011CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00514**	0.0050	0	102.7	75	125	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 7470A (DISSOLVED)

Batch 210850 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-011CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00495**	0.0050	0	99.0	0.005137	3.67	08/15/2023

Batch 210850 **SampType:** MS Units **mg/L**
SampID: 23071810-021CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00515**	0.0050	0	103.0	75	125	08/15/2023

Batch 210850 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-021CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00536**	0.0050	0	107.3	0.005148	4.10	08/15/2023

Batch 211199 **SampType:** MS Units **mg/L**
SampID: 23071810-050DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00575**	0.0050	0.0003389	108.2	75	125	08/23/2023

Batch 211199 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-050DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00564**	0.0050	0.0003389	106.1	0.005749	1.86	08/23/2023

SW-846 7470A (TOTAL)

Batch 210705 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210705

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/11/2023

Batch 210705 **SampType:** LCS Units **mg/L**
SampID: LCS-210705

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00540**	0.0050	0	108.0	85	115	08/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 7470A (TOTAL)

Batch 210705 **SampType:** MS Units **mg/L**
SampID: 23071810-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00556**	0.0050	0	111.3	75	125	08/11/2023

Batch 210705 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00571**	0.0050	0	114.2	0.005563	2.63	08/11/2023

Batch 210710 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210710

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/14/2023

Batch 210710 **SampType:** LCS Units **mg/L**
SampID: LCS-210710

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00513**	0.0050	0	102.6	85	115	08/14/2023

Batch 210850 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210850

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/15/2023

Batch 210850 **SampType:** LCS Units **mg/L**
SampID: LCS-210850

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00491**	0.0050	0	98.2	85	115	08/15/2023

Batch 210851 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210851

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/15/2023

Batch 210851 **SampType:** LCS Units **mg/L**
SampID: LCS-210851

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00503**	0.0050	0	100.7	85	115	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 7470A (TOTAL)

Batch 210851 **SampType:** MS Units **mg/L**
SampID: 23071810-034CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00530**	0.0050	0	105.9	75	125	08/15/2023

Batch 210851 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-034CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00508**	0.0050	0	101.6	0.005297	4.21	08/15/2023

Batch 210851 **SampType:** MS Units **mg/L**
SampID: 23071810-060CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00481**	0.0050	0	96.2	75	125	08/15/2023

Batch 210851 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-060CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00465**	0.0050	0	93.0	0.004810	3.41	08/15/2023

Batch 210857 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210857

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/15/2023

Batch 210857 **SampType:** LCS Units **mg/L**
SampID: LCS-210857

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00477**	0.0050	0	95.4	85	115	08/15/2023

Batch 210857 **SampType:** MS Units **mg/L**
SampID: 23071810-070CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00487**	0.0050	0	97.4	75	125	08/15/2023

Batch 210857 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-070CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00489**	0.0050	0	97.8	0.004871	0.43	08/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 7470A (TOTAL)

Batch 210857 **SampType:** MS Units **mg/L**
SampID: 23071810-082CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00795**	0.0100	0	79.5	75	125	08/15/2023

Batch 210857 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-082CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00810**	0.0100	0	81.0	0.007945	1.87	08/15/2023

Batch 210858 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210858

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/15/2023

Batch 210858 **SampType:** LCS Units **mg/L**
SampID: LCS-210858

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00507**	0.0050	0	101.3	85	115	08/15/2023

Batch 210858 **SampType:** MS Units **mg/L**
SampID: 23071810-108CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00498**	0.0050	0	99.7	75	125	08/15/2023

Batch 210858 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-108CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00524**	0.0050	0	104.8	0.004983	5.01	08/15/2023

Batch 210923 **SampType:** MBLK Units **mg/L**
SampID: MBLK-210923

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/16/2023

Batch 210923 **SampType:** LCS Units **mg/L**
SampID: LCS-210923

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00544**	0.0050	0	108.8	85	115	08/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 7470A (TOTAL)

Batch 210923 **SampType:** MS Units **mg/L**
SampID: 23071810-029CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00560**	0.0050	0	112.0	75	125	08/16/2023

Batch 210923 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-029CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00558**	0.0050	0	111.6	0.005601	0.33	08/16/2023

Batch 210923 **SampType:** MS Units **mg/L**
SampID: 23071810-040CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00593**	0.0050	0	118.6	75	125	08/16/2023

Batch 210923 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-040CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00578**	0.0050	0	115.7	0.005929	2.50	08/16/2023

Batch 211199 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211199

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/23/2023

Batch 211199 **SampType:** LCS Units **mg/L**
SampID: LCS-211199

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00443**	0.0050	0	88.6	85	115	08/23/2023

Batch 211205 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211205

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/25/2023

Batch 211205 **SampType:** LCS Units **mg/L**
SampID: LCS-211205

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00571**	0.0050	0	114.2	85	115	08/23/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

SW-846 7470A (TOTAL)

Batch 211312 **SampType:** MBLK Units **mg/L**
SampID: MBLK-211312

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	08/26/2023

Batch 211312 **SampType:** LCS Units **mg/L**
SampID: LCS-211312

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00458**	0.0050	0	91.5	85	115	08/25/2023

Batch 211312 **SampType:** MS Units **mg/L**
SampID: 23071810-094CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020	S	**0.00227**	0.0100	0	22.7	75	125	08/25/2023

Batch 211312 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23071810-094CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020	SR	**0.00054**	0.0100	0	5.4	0.002273	123.78	08/25/2023

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071810
Client Project: COF-23Q3
Report Date: 21-Nov-23

Carrier: Justin Colp
Received By: ANC

Completed by: Amber Dilallo
On: 10-Aug-23

Reviewed by: Ellie Hopkins
On: 15-Aug-23

Pages to follow: Chain of custody 24 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 3.4
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

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

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

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

pH strip #90719. - amberdilallo - 8/10/2023 10:45:53 AM
Additional Nitric Acid (92447) was needed upon arrival at the laboratory for G111 (Dissolved) and G303 (Total and Dissolved). - amberdilallo - 8/10/2023 10:46:03 AM
pH strip #79929/90719. - amberdilallo - 8/11/2023 9:37:32 AM
Additional Sulfuric Acid (90128) was needed upon arrival at the laboratory for G106 and R104. Additional Sodium Hydroxide (81662) was needed upon arrival at the laboratory for G153 and G154. Additional Nitric Acid (92447) was needed upon arrival at the laboratory for G154 (Total and Dissolved). - amberdilallo - 8/11/2023 9:38:34 AM
Samples collected on 8/10/23 were delivered to the laboratory on 8/10/23 at 1730 (on ice 2.6C - LTG5). AMD/ERH 8/10/23
Samples collected on 8/11/213 were delivered to the laboratory on 8/11/23 at 1427 (on ice 10.2C - LTG5). LM/ERH 8/10/23
Samples collected on 8/14/213 were delivered to the laboratory on 8/14/23 at 1810 (on ice 5.8C - LTG5). ANC/ERH 8/15/23
Additional Nitric Acid (92447) was needed upon arrival at the laboratory for X201. Additional Sulfuric Acid (90128) was needed upon arrival at the laboratory for X201. - amberdilallo - 8/15/2023 3:48:32 PM
X201 filtered and preserved with Nitric Acid (92447), Sulfuric Acid (90128) and left unpreserved for the dissolved parameters upon arrival at the laboratory. - amberdilallo - 8/15/2023 3:48:33 PM
pH strip #90719. - amberdilallo - 8/15/2023 3:48:35 PM
Samples collected on 8/15/213 were delivered to the laboratory on 8/15/23 at 1518 (on ice 12.4C - LTG1). TM/ERH 8/10/23
pH strip #90719. - amberdilallo - 9/19/2023 3:51:31 PM
Samples collected on 9/19/23 were delivered to the laboratory on 9/19/23 at 1312 (on ice 9.4C - LTG1). AMD/ERH 9/19/23

23071810

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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	G101			8-9-23	1451		5	2	1	1		1										✓									23071810-001
2	G102			8-9-23	1507		7	2	2	2		1									✓	✓			✓			✓			002
3	G103						7	2	2	2		1										✓			✓			✓			003
4	G105						7	2	2	2		1										✓			✓			✓			004
5	G106						7	2	2	2		1									✓	✓			✓			✓			005
6	G107						5	2	1	1		1										✓									006
7	G108			8-9-23	0948		5	2	1	1		1										✓									007
8	G109				1010		5	2	1	1		1										✓									008
9	G110				1028		5	2	1	1		1									✓	✓									009
10	G111				1047		5	2	1	1		1										✓									010
11	G119				1132		5	2	1	1		1										✓									011
12	G120				1149		6	2	1	2		1									✓	✓									012
13	G121				1219		5	2	1	1		1										✓									013
14	G122				1237		5	2	1	1		1										✓									014
15	G123				1257		5	2	1	1		1										✓									015
16	G124			↓	1313		5	2	1	1		1										✓									016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Colp	8-9	1752	Allison Colin	8/9	1752	3.4	Y	N	
						1745	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-9-23

Added HNO_3 to G111 (D) & G303 (T&D) (92447)
pH ✓ 90719 JM 8/10/23

230 7181D

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:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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	G125			8-9-23	1357		6	2	1	2	1										✓	✓										23071810-017
2	G126			8-9-23	1401		5	2	1	1	1											✓										018
3	G151						4	2		1	1																			✓		019
4	G152						4	2		1	1																			✓		020
5	G153						4	2		1	1																			✓		021
6	G154						5	2		2	1																	✓		✓		022
7	G155						4	2		1	1																			✓		023
8	G200						7	2	2	2	1									✓		✓			✓		✓		✓			024
9	G206						7	2	2	2	1									✓					✓		✓		✓			025
10	G206D						6	2	2	2										✓					✓		✓					026
11	G207						6	2	1	2	1														✓			✓				027
12	G208						6	2	1	2	1														✓			✓				028
13	G209						7	2	2	2	1									✓					✓		✓		✓			029
14	G210						6	2	1	2	1														✓			✓				030
15	G211						6	2	1	2	1														✓			✓				031
16	G212						7	2	2	2	1									✓					✓		✓		✓			032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cole	8-9	1752	Allison Cole	8/9	1752	

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: Justin Cole

DATE Signed (MM/DD/YY): 8-9-23

COF-845-101

230 7181D

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:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES, GROUND WATER, DRINKING WATER, UST, RCRA, OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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	G213						7	2	2	2		1							✓					✓		✓		✓			23071810-033
2	G214						6	2	1	2		1												✓		✓		✓			034
3	G215						7	2	2	2		1							✓					✓		✓		✓			035
4	G216						6	2	1	2		1												✓				✓			036
5	G217						7	2	2	2		1							✓					✓		✓		✓			037
6	G218						7	2	2	2		1							✓					✓		✓		✓			038
7	G270						7	2	2	2		1						✓		✓				✓		✓	✓	✓			039
8	G271						7	2	2	2		1								✓					✓	✓		✓			040
9	G272						6	2	1	2		1													✓			✓			041
10	G273						7	2	2	2		1								✓					✓	✓		✓			042
11	G274						6	2	1	2		1													✓			✓			043
12	G275						7	2	2	2		1								✓					✓	✓		✓			044
13	G275D						6	2	2	2										✓					✓	✓					045
14	G276						7	2	2	2		1								✓					✓	✓		✓			046
15	G277						7	2	2	2		1								✓					✓	✓		✓			047
16	G278						6	2	1	2		1													✓			✓			048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0				Allison Colin	8/9	1752	Temp in °C: ; Received on ice (Y/N): Y; Custody Sealed Cooler (Y/N): N; Samples Intact (Y/N):

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):

COF-845-101

23071810

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:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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.
								Requested Analysis Filtered (Y/N)																									
1	G279						7	2	2	2		1								✓					✓	✓	✓	✓			23071810-049
2	G280						7	2	2	2		1						✓		✓				✓	✓	✓	✓	✓				050
3	G281						7	2	2	2		1					✓	✓						✓	✓		✓	✓				051
4	G283						6	2	2	2										✓					✓	✓						252
5	G284						6	2	2	2										✓					✓	✓						253
6	G285						6	2	2	2										✓					✓	✓						254
7	G286						0																		✓							255
8	G287						0																		✓							256
9	G288						0																		✓							057
10	G301			8-9-23	1113		6	2	2	2						✓							✓				✓				058
11	G302			8-9-23	1155		6	2	2	2						✓							✓				✓				259
12	G303			8-9-23	1526		6	2	2	2						✓							✓				✓				060
13	G305						6	2	2	2						✓							✓				✓				061
14	G306						6	2	2	2						✓							✓				✓				262
15	G307						6	2	2	2						✓							✓				✓				263
16	G307D						6	2	2	2						✓							✓				✓				264

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-9	1752	Allison Colp	8/9	1752	Y N

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8-9-23				

COF-845-101
23071810

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:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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						6	2	2	2							✓						✓				✓					23071810-065
2	G309						0																✓									066
3	G310			8-9-23	1036		6	2	2	2							✓						✓				✓					067
4	G312				1228		6	2	2	2							✓						✓				✓					068
5	G313				1412		6	2	2	2							✓						✓				✓					069
6	G314				1433		6	2	2	2							✓						✓				✓					070
7	G314D			↓	1453		6	2	2	2							✓						✓				✓					071
8	G315						6	2	2	2							✓						✓				✓					072
9	G316			8-9-23	1343		6	2	2	2							✓						✓				✓					073
10	G317						0																✓									074
11	G401						7	2	2	2		1						✓						✓			✓	✓					075
12	G402						7	2	2	2		1						✓						✓			✓	✓					076
13	G403						7	2	2	2		1						✓						✓			✓	✓					077
14	G404						7	2	2	2		1						✓						✓			✓	✓					078
15	G405						7	2	2	2		1						✓						✓			✓	✓					079
16	G406						7	2	2	2		1						✓						✓			✓	✓					080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J-Cole	8-9	1752	Allison Cole	8/9	1752	Temp in °C: / Received on Ice (Y/N): Y / Custody Sealed Cooler (Y/N): N / Samples Intact (Y/N):

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-9-23

COF-845-001
23071810

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:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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	G407						7	2	2	2		1						✓	✓ TB					✓			✓	✓				23071810-081
2	G410						4	1		2		1							TB									✓				082
3	G411						4	1		2		1																✓				083
4	G1001						10	2	2	2								✓						✓			✓					084
5	G1003						0											✓						✓								085
6	L203						2	1		1											✓											086
7	MW03D						0																		✓							087
8	MW11D						0																		✓							088
9	MW11S						0																		✓							089
10	MW12D						0																		✓							090
11	MW16D						0																		✓							091
12	MW16S						0																		✓							092
13	MW20S						0																			✓						093
14	NE Riser						10	2	2	2									✓						✓		✓					094
15	R104						7	2	2	2		1										✓			✓			✓				095
16	R201						7	2	2	2		1							✓		✓				✓	↓	✓		✓			096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0				Allison Colin	8/9	1752	Y N

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

23071810

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A
Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
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:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C
Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	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	R205						6	2	1	2		1													✓				✓			23071810-097
2	SG-02						0										✓	✓					✓	✓								098
3	SG-03						0										✓	✓					✓	✓								099
4	SG-04						0											✓	✓	✓				✓	✓	✓						100
5	T127			8-9-23	1108		6	2	1	2		1									✓	✓										101
6	T128			8-9-23	1416		5	2	1	1		1										✓										102
7	X201						6	2	2	2										✓						✓	✓					103
8	XPW01						6	2	2	2							✓										✓					104
9	XPW02						6	2	2	2							✓										✓					105
10	XSG-01						0										✓						✓									106
11	Field Blank						8	2	3	2		1					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		107
12	G102 Duplicate			8-9-23	1507		7	2	2	2		1									✓	✓			✓				✓			108
13	G200 Duplicate						7	2	2	2		1							✓		✓				✓		✓		✓			109
14	G273 Duplicate						7	2	2	2		1								✓						✓	✓		✓			110
15	G301 Duplicate			8-9-23	1311		6	2	2	2							✓						✓				✓					111
16	R201 Duplicate						7	2	2	2		1							✓		✓				✓		✓		✓			112

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Colp	8-9	1752	[signature]	8/9	1752		Y	N	

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	8-9-23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES, GROUND WATER, DRINKING WATER, UST, RCRA, OTHER

Site Location STATE: IL

Section D Required Client Information — Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	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-108	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G101						5	2	1	1		1										✓										23071810-001
2	G102						7	2	2	2		1									✓	✓			✓				✓			002
3	G103			8-10-23	0823		7	2	2	2		1										✓			✓				✓			003
4	G105			↓	0859		7	2	2	2		1										✓			✓				✓			004
5	G106			↓	0916		7	2	2	2		1									✓	✓			✓				✓			005
6	G107			↓	0943		5	2	1	1		1										✓										006
7	G108						5	2	1	1		1										✓										007
8	G109						5	2	1	1		1										✓										008
9	G110						5	2	1	1		1									✓	✓										009
10	G111						5	2	1	1		1										✓										010
11	G119						5	2	1	1		1										✓										011
12	G120						6	2	1	2		1									✓	✓										012
13	G121						5	2	1	1		1										✓										013
14	G122						5	2	1	1		1										✓										014
15	G123						5	2	1	1		1										✓										015
16	G124						5	2	1	1		1										✓										016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-23Q3 Rev 0	J. Colp	8-10	1730	[signature]	8/10/23	1730	2.1	Y	N	Y

JO05

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-10-23

pH 90719177929. Added H2SO4 (90218) to G106 and G104. Added NaOH (81662) to G153 and G154. Added HNO3 to total and dissolved from G154. G&P 8-11-23.

COF-845101

230 7180

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:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER; UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information / SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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.
	Requested Analysis Filtered (Y/N)																														
1	G125						6	2	1	2	1										✓	✓									230-7180-017
2	G126						5	2	1	1	1											✓									018
3	G151			8-10-23	1010		4	2		1	1																	✓			019
4	G152			8-10-23	1209		4	2		1	1																	✓			020
5	G153			8-10-23	1138		4	2		1	1																	✓			021
6	G154			8-10-23	1113		5	2		2	1																✓		✓			022
7	G155			8-10-23	1046		4	2		1	1																	✓			023
8	G200						7	2	2	2	1								✓		✓				✓		✓		✓			024
9	G206						7	2	2	2	1								✓						✓		✓		✓			025
10	G206D						6	2	2	2									✓						✓		✓					026
11	G207						6	2	1	2	1														✓				✓			027
12	G208						6	2	1	2	1														✓				✓			028
13	G209						7	2	2	2	1								✓						✓		✓		✓			029
14	G210						6	2	1	2	1														✓				✓			030
15	G211						6	2	1	2	1														✓				✓			031
16	G212			8-10-23	1528		7	2	2	2	1								✓						✓		✓		✓			032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-23Q3 Rev 0	J. Colp	8-10	1730	[illegible]	8/10/23	1730		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-10-23

230718.10

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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	G213			8-10-23	1508		7	2	2	2		1							✓					✓		✓		✓			230718.10-033
2	G214			8-10-23	1450		6	2	1	2		1							✓					✓			✓				034
3	G215				1416		7	2	2	2		1							✓					✓		✓		✓				035
4	G216				1347		6	2	1	2		1												✓				✓				036
5	G217				1325		7	2	2	2		1							✓					✓		✓		✓				037
6	G218			↓	1253		7	2	2	2		1							✓					✓		✓		✓				038
7	G270						7	2	2	2		1					✓			✓				✓		✓	✓	✓	✓				039
8	G271						7	2	2	2		1								✓					✓		✓	✓	✓				040
9	G272						6	2	1	2		1													✓			✓				041
10	G273						7	2	2	2		1								✓					✓		✓	✓	✓				042
11	G274						6	2	1	2		1													✓			✓				043
12	G275						7	2	2	2		1								✓					✓		✓	✓	✓				044
13	G275D						6	2	2	2										✓					✓		✓						045
14	G276						7	2	2	2		1								✓					✓		✓	✓	✓				046
15	G277						7	2	2	2		1								✓					✓		✓	✓	✓				047
16	G278						6	2	1	2		1													✓			✓				048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-10	1730		8/10/23	1730	Y N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-10-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

COF-845-101

230 71810

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:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900lh St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911	Fax:		Project Name:	
				Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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.
	Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS															Requested Analysis Filtered (Y/N)															
1	G279						7	2	2	2	1								✓					✓	✓	✓	✓			23071810-049
2	G280						7	2	2	2	1						✓		✓			✓	✓	✓	✓	✓	✓			050
3	G281						7	2	2	2	1					✓	✓						✓	✓			✓				051
4	G283						6	2	2	2									✓						✓	✓					052
5	G284						6	2	2	2									✓						✓	✓					053
6	G285						6	2	2	2									✓						✓	✓					054
7	G286						0																		✓						055
8	G287						0																		✓						056
9	G288						0																		✓						057
10	G301						6	2	2	2							✓						✓				✓				058
11	G302						6	2	2	2							✓						✓				✓				059
12	G303						6	2	2	2							✓						✓				✓				060
13	G305			8-10-23	1236		6	2	2	2							✓						✓				✓				061
14	G306			8-10-23	1101		6	2	2	2							✓						✓				✓				062
15	G307 (Amt Pump)			8-10-23	N/A		6	2	2	2							✓						✓				✓				063
16	G307D			8-10-23	1212		6	2	2	2							✓						✓				✓				064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Colp	8-10	1730	[illegible]	8/10/23	1730		Y	N	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 8-10-23				

23071810

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:
Company: Vistra Corp		Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St		Copy To: Jason Stuckey	Company Name: Vistra Corp
			Address: see Section A
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day		Project Number: 2285	Profile #:

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

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	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	G308			8-10-23	1308		6	2	2	2							✓						✓				✓					23071810-065
2	G309						0																✓									066
3	G310						6	2	2	2							✓						✓				✓					067
4	G312						6	2	2	2							✓						✓				✓					068
5	G313						6	2	2	2							✓						✓				✓					069
6	G314						6	2	2	2							✓						✓				✓					070
7	G314D						6	2	2	2							✓						✓				✓					071
8	G315			8-10-23	1129		6	2	2	2							✓						✓				✓					072
9	G316						6	2	2	2							✓						✓				✓					073
10	G317						0																✓									074
11	G401						7	2	2	2		1						✓						✓			✓	✓				075
12	G402						7	2	2	2		1						✓						✓			✓	✓				076
13	G403						7	2	2	2		1						✓						✓			✓	✓				077
14	G404						7	2	2	2		1						✓						✓			✓	✓				078
15	G405						7	2	2	2		1						✓						✓			✓	✓				079
16	G406						7	2	2	2		1						✓						✓			✓	✓				080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Cop	8-10	1730	[signature]	8/10/23	1730		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cop

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-10-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

23071810

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:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Project No./ Lab I.D.
1	G407			8-10-23	1432		7	2	2	2		1				23071810-081
2	G410			8-10-23	1458		4	1		2		1				082
3	G411			8-10-23	1524		4	1		2		1				083
4	G1001						6	2	2	2						084
5	G1003						0									085
6	L203						2	1		1						086
7	MW03D						0									087
8	MW11D						0									088
9	MW11S						0									089
10	MW12D						0									090
11	MW16D						0									091
12	MW16S						0									092
13	MW20S						0									093
14	NE Riser						6	2	2	2						094
15	R104			8-10-23	0840		7	2	2	2		1				095
16	R201						7	2	2	2		1				096

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	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	G407		✓	✓ (crossed)					✓			✓	✓			
2	G410			TG [illegible] 8/10/23									✓			
3	G411												✓			
4	G1001		✓						✓			✓				
5	G1003		✓						✓							
6	L203					✓										
7	MW03D									✓						
8	MW11D									✓						
9	MW11S									✓						
10	MW12D									✓						
11	MW16D									✓						
12	MW16S									✓						
13	MW20S										✓					
14	NE Riser			✓						✓		✓				
15	R104						✓			✓				✓		
16	R201			✓		✓				✓		✓		✓		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Cob	8-10	1730	[signature]	8/10/23	1730		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cobb

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 8-10-23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

23071810

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other
1	R205						6	2	1	2		1			
2	SG-02						0								
3	SG-03						0								
4	SG-04						0								
5	T127						6	2	1	2		1			
6	T128						5	2	1	1		1			
7	X201						6	2	2	2					
8	XPW01			8-10-23	1322		6	2	2	2					
9	XPW02			8-10-23	1345		6	2	2	2					
10	XSG-01						0								
11	Field Blank						8	2	3	2		1			
12	G102 Duplicate						7	2	2	2		1			
13	G200 Duplicate						7	2	2	2		1			
14	G273 Duplicate						7	2	2	2		1			
15	G301 Duplicate						6	2	2	2					
16	R201 Duplicate						7	2	2	2		1			

Requested Analysis Filtered (Y/N)

ITEM #	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										✓				✓			23071810-097
2		✓	✓					✓	✓								098
3		✓	✓					✓	✓								099
4			✓	✓	✓				✓	✓	✓						100
5						✓	✓										101
6							✓										102
7					✓						✓	✓					103
8		✓										✓					104
9		✓										✓					105
10		✓						✓									106
11		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		107
12						✓	✓			✓				✓			108
13				✓		✓				✓		✓		✓			109
14					✓						✓	✓		✓			110
15		✓						✓				✓					111
16				✓		✓				✓		✓		✓			112

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Cop	8-10	1730	[signature]	8/10/23	1730		Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cop

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-10-23

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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						6	2	2	2							✓						✓				✓					23071810-065
2	G309						0																✓									066
3	G310						6	2	2	2							✓						✓				✓					067
4	G312						6	2	2	2							✓						✓				✓					068
5	G313						6	2	2	2							✓						✓				✓					069
6	G314						6	2	2	2							✓						✓				✓					070
7	G314D						6	2	2	2							✓						✓				✓					071
8	G315						6	2	2	2							✓						✓				✓					072
9	G316						6	2	2	2							✓						✓				✓					073
10	G317						0																✓									074
11	G401			8/11/23	1127		7	2	2	2	1							✓						✓			✓	✓				075
12	G402			8/11/23	1209		7	2	2	2	1							✓						✓			✓	✓				076
13	G403			8/11/23	1051		7	2	2	2	1							✓						✓			✓	✓				077
14	G404						7	2	2	2	1							✓						✓			✓	✓				078
15	G405			8/11/23	1247		7	2	2	2	1							✓						✓			✓	✓				079
16	G406			8/11/23	1013		7	2	2	2	1							✓						✓			✓	✓				080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	TekHaz	8/11/23	1427		8/11/23	1427		Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Joe Kittel
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 8/11/23

PH: 907 19/79929 (92944)
Added HNO3 to G405 diss.
cont. LM 8/11

10.2° GG #5

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
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:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	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	G125																													
2	G126																													
3	G151																													
4	G152																													
5	G153																													
6	G154																													
7	G155																													
8	G200																													
9	G206			8-14-23	1152																									-025
10	G206D			8-14-23	1134																									-026
11	G207																													
12	G208			8-14-23	1109																									-028
13	G209			↓	1046																									-029
14	G210				1029																									-030
15	G211			↓	1236																									-031
16	G212																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-14	1810	Allison Colp	8/14	1810	5.8
							#5

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	8-14-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

PH: 90719
AC 8/15

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
Address:	13498 E. 900th St
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:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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	G213																														
2	G214																														
3	G215																														
4	G216																														
5	G217																														
6	G218																														
7	G270			8-14-23	1345																										-039
8	G271				1315																										-040
9	G272				1411																										-041
10	G273				1432																										-042
11	G274				1200																										-043
12	G275				DRY																										-044
13	G275D				1120																										-045
14	G276				1235																										-046
15	G277				DRY																										-047
16	G278																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-14	1810		8/14	1870	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-14-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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	G279			8-14-23	DRY												Requested Analysis Filtered (Y/N)															045
2	G280			↓	1448																											050
3	G281			↓	1606																											055
4	G283																															
5	G284																															
6	G285																															
7	G286																															
8	G287																															
9	G288																															
10	G301																															
11	G302																															
12	G303																															
13	G305																															
14	G306																															
15	G307																															
16	G307D																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-14	1810	Allison Colp	8/14	1810	

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:	Jason Colp					
SIGNATURE of SAMPLER:	Jason Colp	DATE Signed (MM/DD/YY): 8-14-23				

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:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	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																													
2	G309																													
3	G310																													
4	G312																													
5	G313																													
6	G314																													
7	G314D																													
8	G315																													
9	G316																													
10	G317																													
11	G401																													
12	G402																													
13	G403																													
14	G404			8-14-23	1543																									-078
15	G405																													
16	G406																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cole	8-14	1810	Allison Cole	8/14	1810	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN COLE

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-14-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
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:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	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	R205			8-14-23	1534																										~~091~~-097
2	SG-02																														
3	SG-03																														
4	SG-04																														
5	T127																														
6	T128																														
7	X201 (Amt blank			8-14-23	N/A																										-103
8	XPW01																														
9	XPW02																														
10	XSG-01																														
11	Field Blank																														
12	G102 Duplicate																														
13	G200 Duplicate				1432																										-109
14	G273 Duplicate			8-14-23	~~1507~~ JC																										-110
15	G301 Duplicate																														
16	R201 Duplicate																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	1810	8-14	Allison Colp	8/14	1810	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 8-14-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

2908810

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	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	G125																															
2	G126																															
3	G151																															
4	G152																															
5	G153																															
6	G154																															
7	G155																															
8	G200 insufficient water			8-15-23	DRY																											
9	G206																															
10	G206D																															
11	G207 Dry after reads			8-15-23	DRY																											
12	G208																															
13	G209																															
14	G210																															
15	G211																															
16	G212																															

Pres Vrm 90719 79929 X201 added HNO3 (92447) & H2SO4 (90128) gm 8/15/23

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Cole	8-15	1518	[signature]	8-15-23	1518	12.4			
							T0#1			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 8-15-23

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:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

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 — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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	G213																																	
2	G214																																	
3	G215																																	
4	G216																																	
5	G217																																	
6	G218																																	
7	G270																																	
8	G271																																	
9	G272																																	
10	G273																																	
11	G274																																	
12	G275																																	
13	G275D																																	
14	G276																																	
15	G277																																	
16	G278 Wastewater Influent				8-15-23	DFH																												

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cold	8-15	1518		8-15-23	1518	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cold					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8-15-23				

230 COF-845-101U

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:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	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	G279																														
2	G280																														
3	G281																														
4	G283			8-15-23	1145																										
5	G284			↓	1010																										
6	G285			↓	1104																										
7	G286																														
8	G287																														
9	G288																														
10	G301																														
11	G302																														
12	G303																														
13	G305																														
14	G306																														
15	G307																														
16	G307D																														

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cold	8-15	1518		8-15-23	1518	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cold

SIGNATURE of SAMPLER: Justin Cold

DATE Signed (MM/DD/YY): 8-15-23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

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; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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	G407																																	
2	G410																																	
3	G411																																	
4	G1001 insufficient water				8-15-23	DKY																												
5	G1003																																	
6	L203 insufficient water				8-15-23	DKY																												
7	MW03D																																	
8	MW11D																																	
9	MW11S																																	
10	MW12D																																	
11	MW16D																																	
12	MW16S																																	
13	MW20S																																	
14	NE Riser				8-15-23	1312																												
15	R104																																	
16	R201 ★				8-15-23	DKY																												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-15	1518		8.15.23	1518	

★=hole in air line

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-15-23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
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:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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	R205																														
2	SG-02																														
3	SG-03																														
4	SG-04																														
5	T127																														
6	T128																														
7	X201 Filter in lab			8-15-23	1253																										
8	XPW01																														
9	XPW02																														
10	XSG-01																														
11	Field Blank			8-15-23	1035																										
12	G102 Duplicate																														
13	G200 Duplicate			8-15-23	DRY																										
14	G273 Duplicate																														
15	G301 Duplicate																														
16	R201 Duplicate			8-15-23	DRY																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-15	1518		8-16-23	1514	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-15-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

23071810

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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 (resample)			9/19/23	1100		1			1							X						X				X					23071810-113
2	X201 (resample)			"	1017		1			1										X						X	X					-114
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-23Q3 Rev 0	[signature]	9/19/23	1312	[signature]	9/19/23	1312	4.4	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: [handwritten name]

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9/18/23

LTGI pH ✓ 90719 Dms 9/19/23

Teklab, Inc.
Environmental Laboratory

http://www.teklabinc.com/

September 28, 2023

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

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

RE: COF-23Q3 **WorkOrder:** 23071811

Dear Eric Bauer:

TEKLAB, INC received 62 samples on 8/15/2023 3:18:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

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)

Teklab, Inc.
Environmental Laboratory

Definitions

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
Report Date: 28-Sep-23

Cooler Receipt Temp: 3.4 °C

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

G200, G275, G277, G279, and R201 could not be collected; the wells were dry. G1001 and G307 would not pump.

Ra226/228 were performed by Eurofins St. Louis. See attached report for results and QC.

This report was revised on September 28, 2023 per Eric Bauer's request. The reason for the revision is to correct collection times for G308, G402, G273 Duplicate and G301 Duplicate. Please replace report dated September 19, 2023 with this report. EAH 9/28/23

Locations

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

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

Kansas City
Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
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

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

Accreditations

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2024	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-001
Client Sample ID: G151
Matrix: GROUNDWATER
Collection Date: 08/10/2023 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 11:58	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-002
Client Sample ID: G152
Matrix: GROUNDWATER
Collection Date: 08/10/2023 12:09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 11:58	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-003 **Client Sample ID:** G153

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 11:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 11:58	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-004 **Client Sample ID:** G154

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 11:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 11:58	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-005
Client Sample ID: G155
Matrix: GROUNDWATER
Collection Date: 08/10/2023 10:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 11:58	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-007
Client Sample ID: G206
Matrix: GROUNDWATER
Collection Date: 08/14/2023 11:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 11:58	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-008 **Client Sample ID:** G206D

Matrix: GROUNDWATER **Collection Date:** 08/14/2023 11:34

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 11:58	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-009
Client Sample ID: G209
Matrix: GROUNDWATER
Collection Date: 08/14/2023 10:46

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 11:58	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-010 **Client Sample ID:** G212

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 15:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 11:58	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-011 **Client Sample ID:** G213

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 15:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 12:03	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-012 **Client Sample ID:** G215

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 14:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 12:03	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-013 **Client Sample ID:** G217

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 13:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 12:03	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-014 **Client Sample ID:** G218

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 12:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 12:04	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-015 **Client Sample ID:** G270

Matrix: GROUNDWATER **Collection Date:** 08/14/2023 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 12:04	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-016 **Client Sample ID:** G271

Matrix: GROUNDWATER **Collection Date:** 08/14/2023 13:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 12:04	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-017 **Client Sample ID:** G273

Matrix: GROUNDWATER **Collection Date:** 08/14/2023 14:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 12:04	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-019 **Client Sample ID:** G275D

Matrix: GROUNDWATER **Collection Date:** 08/14/2023 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 12:04	R336426

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-020
Client Sample ID: G276
Matrix: GROUNDWATER
Collection Date: 08/14/2023 12:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 12:05	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-023 **Client Sample ID:** G280

Matrix: GROUNDWATER **Collection Date:** 08/14/2023 14:48

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 12:05	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-024
Client Sample ID: G281
Matrix: GROUNDWATER
Collection Date: 08/14/2023 16:06

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/08/2023 12:05	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-025 **Client Sample ID:** G283

Matrix: GROUNDWATER **Collection Date:** 08/15/2023 11:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:36	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-026 **Client Sample ID:** G284

Matrix: GROUNDWATER **Collection Date:** 08/15/2023 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:36	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-027 **Client Sample ID:** G285

Matrix: GROUNDWATER **Collection Date:** 08/15/2023 11:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:37	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-028 **Client Sample ID:** G301

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 11:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:38	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-029 **Client Sample ID:** G302

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 11:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:38	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-030 **Client Sample ID:** G303

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 15:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:38	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-031 **Client Sample ID:** G305

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 12:36

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:38	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-032
Client Sample ID: G306
Matrix: GROUNDWATER
Collection Date: 08/10/2023 11:01

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:38	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-034 **Client Sample ID:** G307D

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 12:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:38	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-035 **Client Sample ID:** G308

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:39	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-036
Client Sample ID: G310
Matrix: GROUNDWATER
Collection Date: 08/09/2023 10:36

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:39	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-037 **Client Sample ID:** G312

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 12:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:39	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-038 **Client Sample ID:** G313

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 14:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:39	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-039 **Client Sample ID:** G314

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 14:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:39	R336426

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-040 **Client Sample ID:** G314D

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 14:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/07/2023 11:39	R336426

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-041 **Client Sample ID:** G315

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 11:29

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 11:56	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-042 **Client Sample ID:** G316

Matrix: GROUNDWATER **Collection Date:** 08/09/2023 13:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 11:56	R336553

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-043
Client Sample ID: G401
Matrix: GROUNDWATER
Collection Date: 08/11/2023 11:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 11:57	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-044 **Client Sample ID:** G402

Matrix: GROUNDWATER **Collection Date:** 08/11/2023 12:09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 11:58	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-045 **Client Sample ID:** G403

Matrix: GROUNDWATER **Collection Date:** 08/11/2023 10:51

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 11:58	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-046 **Client Sample ID:** G404

Matrix: GROUNDWATER **Collection Date:** 08/14/2023 15:43

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 11:58	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-047 **Client Sample ID:** G405

Matrix: GROUNDWATER **Collection Date:** 08/11/2023 12:41

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 11:58	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-048 **Client Sample ID:** G406

Matrix: GROUNDWATER **Collection Date:** 08/11/2023 10:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 11:58	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-049 **Client Sample ID:** G407

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 14:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 12:03	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-050 **Client Sample ID:** G410

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 14:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 12:03	R336553

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-051 **Client Sample ID:** G411

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 15:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 12:03	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-053 **Client Sample ID:** NE Riser

Matrix: LEACHATE **Collection Date:** 08/15/2023 13:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 12:03	R336553

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-055
Client Sample ID: X201
Matrix: LEACHATE
Collection Date: 08/15/2023 12:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 12:03	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-056 **Client Sample ID:** XPW01

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 13:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 12:03	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Lab ID: 23071811-057 **Client Sample ID:** XPW02

Matrix: GROUNDWATER **Collection Date:** 08/10/2023 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 12:04	R336553

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-058
Client Sample ID: Field Blank
Matrix: AQUEOUS
Collection Date: 08/15/2023 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 12:04	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-060
Client Sample ID: G273 Duplicate
Matrix: GROUNDWATER
Collection Date: 08/14/2023 14:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 12:04	R336553

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23
Lab ID: 23071811-061
Client Sample ID: G301 Duplicate
Matrix: GROUNDWATER
Collection Date: 08/09/2023 11:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS								
Subcontracted Analysis	*	0		**See Attached**		1	09/11/2023 12:04	R336553

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
Report Date: 28-Sep-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23071811-001	G151	Groundwater	1	08/10/2023 10:10
23071811-002	G152	Groundwater	1	08/10/2023 12:09
23071811-003	G153	Groundwater	1	08/10/2023 11:38
23071811-004	G154	Groundwater	1	08/10/2023 11:13
23071811-005	G155	Groundwater	1	08/10/2023 10:46
23071811-006	G200	Groundwater	1	08/15/2023 0:00
23071811-007	G206	Groundwater	1	08/14/2023 11:52
23071811-008	G206D	Groundwater	1	08/14/2023 11:34
23071811-009	G209	Groundwater	1	08/14/2023 10:46
23071811-010	G212	Groundwater	1	08/10/2023 15:28
23071811-011	G213	Groundwater	1	08/10/2023 15:08
23071811-012	G215	Groundwater	1	08/10/2023 14:16
23071811-013	G217	Groundwater	1	08/10/2023 13:25
23071811-014	G218	Groundwater	1	08/10/2023 12:53
23071811-015	G270	Groundwater	1	08/14/2023 13:45
23071811-016	G271	Groundwater	1	08/14/2023 13:15
23071811-017	G273	Groundwater	1	08/14/2023 14:32
23071811-018	G275	Groundwater	1	
23071811-019	G275D	Groundwater	1	08/14/2023 11:20
23071811-020	G276	Groundwater	1	08/14/2023 12:35
23071811-021	G277	Groundwater	1	
23071811-022	G279	Groundwater	1	
23071811-023	G280	Groundwater	1	08/14/2023 14:48
23071811-024	G281	Groundwater	1	08/14/2023 16:06
23071811-025	G283	Groundwater	1	08/15/2023 11:45
23071811-026	G284	Groundwater	1	08/15/2023 10:10
23071811-027	G285	Groundwater	1	08/15/2023 11:04
23071811-028	G301	Groundwater	1	08/09/2023 11:13
23071811-029	G302	Groundwater	1	08/09/2023 11:55
23071811-030	G303	Groundwater	1	08/09/2023 15:26
23071811-031	G305	Groundwater	1	08/10/2023 12:36
23071811-032	G306	Groundwater	1	08/10/2023 11:01
23071811-033	G307	Groundwater	1	08/10/2023 0:00
23071811-034	G307D	Groundwater	1	08/10/2023 12:12
23071811-035	G308	Groundwater	1	08/10/2023 13:00
23071811-036	G310	Groundwater	1	08/09/2023 10:36
23071811-037	G312	Groundwater	1	08/09/2023 12:28
23071811-038	G313	Groundwater	1	08/09/2023 14:12
23071811-039	G314	Groundwater	1	08/09/2023 14:33

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
Report Date: 28-Sep-23

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23071811-040	G314D	Groundwater	1	08/09/2023 14:53
23071811-041	G315	Groundwater	1	08/10/2023 11:29
23071811-042	G316	Groundwater	1	08/09/2023 13:43
23071811-043	G401	Groundwater	1	08/11/2023 11:22
23071811-044	G402	Groundwater	1	08/11/2023 12:09
23071811-045	G403	Groundwater	1	08/11/2023 10:51
23071811-046	G404	Groundwater	1	08/14/2023 15:43
23071811-047	G405	Groundwater	1	08/11/2023 12:41
23071811-048	G406	Groundwater	1	08/11/2023 10:13
23071811-049	G407	Groundwater	1	08/10/2023 14:32
23071811-050	G410	Groundwater	1	08/10/2023 14:58
23071811-051	G411	Groundwater	1	08/10/2023 15:24
23071811-052	G1001	Groundwater	1	08/15/2023 0:00
23071811-053	NE Riser	Leachate	1	08/15/2023 13:12
23071811-054	R201	Groundwater	1	08/15/2023 0:00
23071811-055	X201	Leachate	1	08/15/2023 12:53
23071811-056	XPW01	Groundwater	1	08/10/2023 13:22
23071811-057	XPW02	Groundwater	1	08/10/2023 13:45
23071811-058	Field Blank	Aqueous	1	08/15/2023 10:35
23071811-059	G200 Duplicate	Groundwater	1	08/15/2023 0:00
23071811-060	G273 Duplicate	Groundwater	1	08/14/2023 14:32
23071811-061	G301 Duplicate	Groundwater	1	08/09/2023 11:11
23071811-062	R201 Duplicate	Groundwater	1	08/15/2023 0:00

Dates Report

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
23071811-001A	G151	08/10/2023 10:10	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/08/2023 11:58
23071811-002A	G152	08/10/2023 12:09	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/08/2023 11:58
23071811-003A	G153	08/10/2023 11:38	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/08/2023 11:58
23071811-004A	G154	08/10/2023 11:13	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/08/2023 11:58
23071811-005A	G155	08/10/2023 10:46	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/08/2023 11:58
23071811-007A	G206	08/14/2023 11:52	08/14/2023 18:10		
	See Attached for Subcontracting Analysis				09/08/2023 11:58
23071811-008A	G206D	08/14/2023 11:34	08/14/2023 18:10		
	See Attached for Subcontracting Analysis				09/08/2023 11:58
23071811-009A	G209	08/14/2023 10:46	08/14/2023 18:10		
	See Attached for Subcontracting Analysis				09/08/2023 11:58
23071811-010A	G212	08/10/2023 15:28	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/08/2023 11:58
23071811-011A	G213	08/10/2023 15:08	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/08/2023 12:03
23071811-012A	G215	08/10/2023 14:16	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/08/2023 12:03
23071811-013A	G217	08/10/2023 13:25	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/08/2023 12:03
23071811-014A	G218	08/10/2023 12:53	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/08/2023 12:04
23071811-015A	G270	08/14/2023 13:45	08/14/2023 18:10		
	See Attached for Subcontracting Analysis				09/08/2023 12:04
23071811-016A	G271	08/14/2023 13:15	08/14/2023 18:10		
	See Attached for Subcontracting Analysis				09/08/2023 12:04
23071811-017A	G273	08/14/2023 14:32	08/14/2023 18:10		
	See Attached for Subcontracting Analysis				09/08/2023 12:04
23071811-019A	G275D	08/14/2023 11:20	08/14/2023 18:10		
	See Attached for Subcontracting Analysis				09/08/2023 12:04
23071811-020A	G276	08/14/2023 12:35	08/14/2023 18:10		

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	See Attached for Subcontracting Analysis				09/08/2023 12:05
23071811-023A	G280	08/14/2023 14:48	08/14/2023 18:10		
	See Attached for Subcontracting Analysis				09/08/2023 12:05
23071811-024A	G281	08/14/2023 16:06	08/14/2023 18:10		
	See Attached for Subcontracting Analysis				09/08/2023 12:05
23071811-025A	G283	08/15/2023 11:45	08/15/2023 15:18		
	See Attached for Subcontracting Analysis				09/07/2023 11:36
23071811-026A	G284	08/15/2023 10:10	08/15/2023 15:18		
	See Attached for Subcontracting Analysis				09/07/2023 11:36
23071811-027A	G285	08/15/2023 11:04	08/15/2023 15:18		
	See Attached for Subcontracting Analysis				09/07/2023 11:37
23071811-028A	G301	08/09/2023 11:13	08/09/2023 17:52		
	See Attached for Subcontracting Analysis				09/07/2023 11:38
23071811-029A	G302	08/09/2023 11:55	08/09/2023 17:52		
	See Attached for Subcontracting Analysis				09/07/2023 11:38
23071811-030A	G303	08/09/2023 15:26	08/09/2023 17:52		
	See Attached for Subcontracting Analysis				09/07/2023 11:38
23071811-031A	G305	08/10/2023 12:36	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/07/2023 11:38
23071811-032A	G306	08/10/2023 11:01	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/07/2023 11:38
23071811-034A	G307D	08/10/2023 12:12	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/07/2023 11:38
23071811-035A	G308	08/10/2023 13:00	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/07/2023 11:39
23071811-036A	G310	08/09/2023 10:36	08/09/2023 17:52		
	See Attached for Subcontracting Analysis				09/07/2023 11:39
23071811-037A	G312	08/09/2023 12:28	08/09/2023 17:52		
	See Attached for Subcontracting Analysis				09/07/2023 11:39
23071811-038A	G313	08/09/2023 14:12	08/09/2023 17:52		
	See Attached for Subcontracting Analysis				09/07/2023 11:39
23071811-039A	G314	08/09/2023 14:33	08/09/2023 17:52		
	See Attached for Subcontracting Analysis				09/07/2023 11:39
23071811-040A	G314D	08/09/2023 14:53	08/09/2023 17:52		
	See Attached for Subcontracting Analysis				09/07/2023 11:39

Teklab, Inc. Environmental Laboratory

Dates Report

Client: Ramboll **Work Order:** 23071811

Client Project: COF-23Q3 **Report Date:** 28-Sep-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
23071811-041A	G315	08/10/2023 11:29	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/11/2023 11:56
23071811-042A	G316	08/09/2023 13:43	08/09/2023 17:52		
	See Attached for Subcontracting Analysis				09/11/2023 11:56
23071811-043A	G401	08/11/2023 11:22	08/15/2023 15:18		
	See Attached for Subcontracting Analysis				09/11/2023 11:57
23071811-044A	G402	08/11/2023 12:09	08/15/2023 15:18		
	See Attached for Subcontracting Analysis				09/11/2023 11:58
23071811-045A	G403	08/11/2023 10:51	08/15/2023 15:18		
	See Attached for Subcontracting Analysis				09/11/2023 11:58
23071811-046A	G404	08/14/2023 15:43	08/14/2023 18:10		
	See Attached for Subcontracting Analysis				09/11/2023 11:58
23071811-047A	G405	08/11/2023 12:41	08/15/2023 15:18		
	See Attached for Subcontracting Analysis				09/11/2023 11:58
23071811-048A	G406	08/11/2023 10:13	08/15/2023 15:18		
	See Attached for Subcontracting Analysis				09/11/2023 11:58
23071811-049A	G407	08/10/2023 14:32	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/11/2023 12:03
23071811-050A	G410	08/10/2023 14:58	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/11/2023 12:03
23071811-051A	G411	08/10/2023 15:24	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/11/2023 12:03
23071811-053A	NE Riser	08/15/2023 13:12	08/15/2023 15:18		
	See Attached for Subcontracting Analysis				09/11/2023 12:03
23071811-055A	X201	08/15/2023 12:53	08/15/2023 15:18		
	See Attached for Subcontracting Analysis				09/11/2023 12:03
23071811-056A	XPW01	08/10/2023 13:22	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/11/2023 12:03
23071811-057A	XPW02	08/10/2023 13:45	08/10/2023 17:30		
	See Attached for Subcontracting Analysis				09/11/2023 12:04
23071811-058A	Field Blank	08/15/2023 10:35	08/15/2023 15:18		
	See Attached for Subcontracting Analysis				09/11/2023 12:04
23071811-060A	G273 Duplicate	08/14/2023 14:32	08/14/2023 18:10		
	See Attached for Subcontracting Analysis				09/11/2023 12:04
23071811-061A	G301 Duplicate	08/09/2023 11:11	08/09/2023 17:52		

Dates Report

Client: Ramboll
Work Order: 23071811
Client Project: COF-23Q3
Report Date: 28-Sep-23

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	See Attached for Subcontracting Analysis				09/11/2023 12:04

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
Report Date: 28-Sep-23

Carrier: Justin Colp

Received By: ANC

Completed by: Amber Dilallo
On: 10-Aug-23

Reviewed by: Ellie Hopkins
On: 15-Aug-23

Pages to follow: Chain of custody 24 Extra pages included 85

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 3.4
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.

Additional Nitric Acid (92447) was needed upon arrival at the laboratory for G301, G302, G303, G314, G314D and G316. - amberdilallo - 8/10/2023 10:56:36 AM

pH strip #90719. - amberdilallo - 8/10/2023 10:57:20 AM

Additional Nitric Acid (92447) was needed upon arrival at the laboratory for G153, G155, G305, G308 and G407. - amberdilallo - 8/11/2023 9:43:53 AM

pH strip #90719. - amberdilallo - 8/11/2023 9:44:25 AM

Samples collected on 8/10/23 were delivered to the laboratory on 8/10/23 at 1730 (on ice 2.6C - LTG5). AMD/ERH 8/10/23

Samples collected on 8/14/23 were delivered to the laboratory on 8/14/23 at 1810 (on ice 5.8C - LTG5). ANC/ERH 8/15/23

pH strip #90719. - amberdilallo - 8/15/2023 3:54:51 PM

Samples collected on 8/15/23 were delivered to the laboratory on 8/15/23 at 1518 (on ice 12.4C - LTG1). TM/ERH 8/10/23

2307 1814

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location: STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	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	G101			8.9.23	1451																										
2	G102			8.9.23	1507																										
3	G103																														
4	G105																														
5	G106																														
6	G107																														
7	G108			8.9.23	0948																										
8	G109			8.9.23	1010																										
9	G110			8.9.23	1028																										
10	G111			↓	1047																										
11	G119				1132																										
12	G120				1149																										
13	G121				1214																										
14	G122				1237																										
15	G123				1257																										
16	G124			↓	1313																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Colp	8-9	1752	Allison Colp	8/9	1752	3.4	Y	N	
Ra226/228, only.						LTC5				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY): 8-9-23				

Added HNO_3 (92447) to G301, G302, G303, G314, G314D & G316. pH ✓ 90719. DMS 8/10/23

23071811

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:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes — MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	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	G125			8-4-23	1327																											
2	G126			8-4-23	1401																											
3	G151						2			2																				✓		23071811-001
4	G152						2			2																				✓		002
5	G153						2			2																				✓		003
6	G154						2			2																		✓		✓		004
7	G155						2			2																				✓		005
8	G200						2			2									✓						✓							006
9	G206						2			2									✓						✓							007
10	G206D						2			2									✓						✓							008
11	G207																															
12	G208																															
13	G209						2			2									✓						✓							009
14	G210																															
15	G211																															
16	G212						2			2									✓						✓							010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Colp	8-9	1752	Allison Cole	8/9	1752		Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-9-23

2307181

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
Address:	13498 E. 900th St
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:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	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	G279						2			2										✓				✓		✓	✓				23071811-022
2	G280						2			2								✓		✓				✓		✓	✓				023
3	G281						2			2							✓	✓					✓	✓			✓					024
4	G283						2			2										✓						✓						025
5	G284						2			2										✓						✓						026
6	G285						2			2										✓						✓						027
7	G286																															
8	G287																															
9	G288																															
10	G301			8-9-23	1113		2			2							✓						✓									028
11	G302			8-9-23	1155		2			2							✓						✓									029
12	G303			8-9-23	1526		2			2							✓						✓									030
13	G305						2			2							✓						✓									031
14	G306						2			2							✓						✓									032
15	G307						2			2							✓						✓									033
16	G307D						2			2							✓						✓									034

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-9	1752	Allison Colin	8/9	1752	4 2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 8-9-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

2307181I

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
Address:	13498 E. 900th St
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:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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						2			2							✓						✓									23071811-035
2	G309																														
3	G310			8-9-23	1036		2			2							✓						✓									036
4	G312			8-9-23	1228		2			2							✓						✓									037
5	G313			8-9-23	1412		2			2							✓						✓									038
6	G314			8-9-23	1433		2			2							✓						✓									039
7	G314D			8-9-23	1453		2			2							✓						✓									040
8	G315						2			2							✓						✓									041
9	G316			8-9-23	1343		2			2							✓						✓									042
10	G317																														
11	G401						2			2								✓						✓				✓				043
12	G402						2			2								✓						✓				✓				044
13	G403						2			2								✓						✓				✓				045
14	G404						2			2								✓						✓				✓				046
15	G405						2			2								✓						✓				✓				047
16	G406						2			2								✓						✓				✓				048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-9	1752	Allison Colin	8/9	1782	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-9-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

23071811

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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	R205																													
2	SG-02																													
3	SG-03																													
4	SG-04																													
5	T127			8-9-23	1108																									
6	T128			8-9-23	1416																									
7	X201						2			2															✓					23071811-055
8	XPW01						2			2							✓														056
9	XPW02						2			2							✓														057
10	XSG-01																													
11	Field Blank						2			2							✓	✓	✓	✓			✓	✓	✓	✓		✓		✓		058
12	G102 Duplicate			8-9-23	1507																									
13	G200 Duplicate						2			2									✓						✓						059
14	G273 Duplicate						2			2										✓						✓					760
15	G301 Duplicate			8-9-23	1311		2			2							✓						✓								061
16	R201 Duplicate						2			2									✓						✓						062

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-23Q3 Rev 0	J. Gip	8-9	1752		8/9	1752		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jason Gip

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8.9.23

23079811

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
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:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES · GROUND WATER · DRINKING WATER
UST · RCRA · OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

Preservatives: 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)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Project No./ Lab I.D.
1	G101							
2	G102							
3	G103			8-10-23	0823			
4	G105			↓	0859			
5	G106			↓	0916			
6	G107			↓	0943			
7	G108							
8	G109							
9	G110							
10	G111							
11	G119							
12	G120							
13	G121							
14	G122							
15	G123							
16	G124							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-23Q3 Rev 0 Ra226/228, only.	J. Cup	8-10	1730	Omar Dicalles	8/10/23	1730	2.6	Y	N	Y

LTG5

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cup

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 8-10-23

HNO_3 (92447) added to G153, G155, G305, G308, G407 ERH 8/11/23
90719

COF-845-101

23071811

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	REGULATORY AGENCY
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey	
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp	NPDES GROUND WATER DRINKING WATER
		Address: see Section A	UST RCRA OTHER
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: 2285	Profile #:	

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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	G125																														
2	G126																														
3	G151			8-10-23	1010		2			2																			✓		23071811-001
4	G152				1209		2			2																			✓		002
5	G153				1138		2			2																			✓		003
6	G154				1113		2			2																	✓		✓		004
7	G155				1046		2			2																			✓		005
8	G200						2			2									✓						✓						006
9	G206						2			2									✓						✓						007
10	G206D						2			2									✓						✓						008
11	G207																														
12	G208																														
13	G209						2			2									✓						✓						009
14	G210																														
15	G211																														
16	G212			8-10-23	1528		2			2									✓						✓						010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J-Cole	8-10	1730	[illegible]	8/10/23	1730	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:	Jystin Cole	DATE Signed (MM/DD/YY): 8-10-23				
SIGNATURE of SAMPLER:	[signature]					

COF-345101

230 71811

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
Address:	13498 E. 900th St
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:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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-108	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213			8-10-23	1508		2			2									✓						✓							23071811-011
2	G214				1450																											
3	G215				1416		2			2									✓						✓							012
4	G216				1347																											
5	G217				1325		2			2									✓						✓							013
6	G218				1253		2			2									✓						✓							014
7	G270						2			2								✓		✓				✓		✓		✓					015
8	G271						2			2										✓						✓							016
9	G272																															
10	G273						2			2										✓						✓							017
11	G274																															
12	G275						2			2										✓						✓							018
13	G275D						2			2										✓						✓							019
14	G276						2			2										✓						✓							020
15	G277						2			2										✓						✓							021
16	G278																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-10	1730	[signature]	8/10/23	1730	4 / 2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-10-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	4	2	

23071811

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:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	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-105	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G279						2			2										✓					✓		✓				23071811-022
2	G280						2			2								✓		✓			✓		✓		✓				023
3	G281						2			2						✓		✓				✓	✓				✓				024
4	G283						2			2										✓					✓						025
5	G284						2			2										✓					✓						026
6	G285						2			2										✓					✓						027
7	G286																														
8	G287																														
9	G288																														
10	G301						2			2						✓						✓									028
11	G302						2			2						✓						✓									029
12	G303						2			2						✓						✓									030
13	G305			8-10-23	1236		2			2						✓						✓									031
14	G306			↓	1101		2			2						✓						✓									032
15	G307 (AMT PUMP				N/A		2			2						✓						✓									033
16	G307D			↓	1212		2			2						✓						✓									034

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Colp	8-10			8/10/23	1730		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-10-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

230 7181 1 COF-845-101

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:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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			8-10-23	1308		2			2							✓						✓									23071811-035
2	G309																															
3	G310						2			2							✓						✓									036
4	G312						2			2							✓						✓									037
5	G313						2			2							✓						✓									038
6	G314						2			2							✓						✓									039
7	G314D						2			2							✓						✓									040
8	G315			8-10-23	1129		2			2							✓						✓									041
9	G316						2			2							✓						✓									042
10	G317																															
11	G401						2			2								✓						✓				✓				043
12	G402						2			2								✓						✓				✓				044
13	G403						2			2								✓						✓				✓				045
14	G404						2			2								✓						✓				✓				046
15	G405						2			2								✓						✓				✓				047
16	G406						2			2								✓						✓				✓				048

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-10		[signature]	8/10/23	1730	Y / N

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 8-10-23				

COF-845-101

2307 1811

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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	G407			8-10-23	1432		2			2								✓						✓				✓				23071811-049
2	G410			↓	1458		2			2																		✓				050
3	G411			↓	1524		2			2																		✓				051
4	G1001						2			2								✓						✓								052
5	G1003																															
6	L203																															
7	MW03D																															
8	MW11D																															
9	MW11S																															
10	MW12D																															
11	MW16D																															
12	MW16S																															
13	MW20S																															
14	NE Riser						2			2								TF	✗						✓							053
15	R104			8-10-23	0840													12/1/23													
16	R201						2			2									✓						✓							054

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-10	1730	Brian Voelker	8/10/23	1730	4 / N

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	8-10-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

23071811

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
- Address: 13498 E. 900th St
- 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: Jason Stuckey
- Purchase Order No.:
- Project Name:
- Project Number: 2285

Section C Invoice Information:
- Attention: Jason Stuckey
- Company Name: Vistra Corp
- Address: see Section A
- Quote Reference:
- Project Manager:
- Profile #:

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

Section D Required Client Information

Valid Matrix Codes (MATRIX / CODE): DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	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	R205																															
2	SG-02																															
3	SG-03																															
4	SG-04																															
5	T127																															
6	T128																															
7	X201						2			2																✓						23071811-055
8	XPW01			8-10-23	1322		2			2							✓															056
9	XPW02			8-10-23	1345		2			2							✓															057
10	XSG-01																															
11	Field Blank						2			2							✓	✓	✓	✓			✓	✓	✓	✓		✓		✓		058
12	G102 Duplicate																															
13	G200 Duplicate						2			2									✓						✓							059
14	G273 Duplicate						2			2										✓						✓						060
15	G301 Duplicate						2			2							✓						✓									061
16	R201 Duplicate						2			2									✓						✓							062

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	J. Cip	8-10		[signature]	8/10/23	1730		Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
- PRINT Name of SAMPLER: Justin Cip
- SIGNATURE of SAMPLER: [signature]
- DATE Signed (MM/DD/YY): 8-10-23

2:30 PM 8/14

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	13498 E. 900th St	Copy To:	Jason Stuckey	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N ↓ 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	G125																														
2	G126																														
3	G151																														
4	G152																														
5	G153																														
6	G154																														
7	G155																														
8	G200																														
9	G206			8-14-23	1152																										007
10	G206D			8-14-23	1134																										008
11	G207																														~~010~~ EPH 8/16/23
12	G208			8-14-23	1109																										~~009~~ ~~011~~
13	G209			8-14-23	1046																										~~012~~
14	G210			8-14-23	1029																										~~013~~
15	G211			8-14-23	1236																										
16	G212																														

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Golp	8-14	1810		8/14	1810	5.8 #S

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: JUSTIN GOLP
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 8-14-23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

PH 90719
AC 8/15

Added HNO_3(92447) to G270, G273, G275D, G276 um 8/15

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:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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	G213																														
2	G214																														
3	G215																														
4	G216																														
5	G217																														
6	G218																														
7	G270	X			8-14-23	1345																									-015
8	G271				8-14-23	1315																									-016 -017
9	G272				8-14-23	1411																									-017 -018
10	G273	X			8-14-23	1432																									-018 -019
11	G274				~~8-14-23~~	~~1500~~ TB																									-019 -020
12	G275				8-14-23	DRY																									-020 -021
13	G275D	X			8-14-23	1120																									-021 ~~-022~~
14	G276	X			8-14-23	1235																									
15	G277				8-14-23	DRY																									
16	G278																														

EFH 8/15/23

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Coil	8-14	1810	Allison Colin	8/14	1810	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Coil

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-14-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
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:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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	G279			8-14-23	ORV																											-022
2	G280			8-14-23	1448																											-023
3	G281			8-14-23	1606																											-024
4	G283																															
5	G284																															
6	G285																															
7	G286																															
8	G287																															
9	G288																															
10	G301																															
11	G302																															
12	G303																															
13	G305																															
14	G306																															
15	G307																															
16	G307D																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-14	1810	Allison Colp	8/14	1810	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 8-14-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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.
								Requested Analysis Filtered (Y/N)																								
1	G308																													
2	G309																													
3	G310																													
4	G312																													
5	G313																													
6	G314																													
7	G314D																													
8	G315																													
9	G316																													
10	G317																													
11	G401																													
12	G402																													
13	G403																													
14	G404			8-14-23	1543																									0416
15	G405																													
16	G406																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-14	1810	Allison Coles	8/14	1810	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JUSTIN COLP

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-14-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:

Company:	Vistra Corp
Address:	13498 E. 900th St
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:	Jason Stuckey
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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	R205			~~8-14-23~~	~~1534~~																										~~055~~
2	SG-02																														
3	SG-03																														
4	SG-04																														
5	T127																														
6	T128																														
7	X201 (PAH MATE)			8-14-23	N/A																										
8	XPW01																														
9	XPW02																														
10	XSG-01																														
11	Field Blank																														
12	G102 Duplicate																														
13	G200 Duplicate				1432																										
14	G273 Duplicate			8-14-23	~~1507~~ JL																										~~000~~
15	G301 Duplicate																														
16	R201 Duplicate																														

5/15/23 FRM

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Gold	8-14	1810	Allison Colon	8/14	1810	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Gold

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-14-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

2307181l

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

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; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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	G125																																	
2	G126																																	
3	G151																																23071811-001	
4	G152																																002	
5	G153																																003	
6	G154																																004	
7	G155																																005	
8	G200 Insufficient water				8-15-23	DRY																											006	
9	G206																																007	
10	G206D																																008	
11	G207 DRY AFTER (2nd)				8-15-23	DRY																												
12	G208																																	
13	G209																																009	
14	G210																																	
15	G211																																	
16	G212																																010	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-15	1510		8-15-23	1518	12.4
							(Tuff)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: John Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-15-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

23071811

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N ↓ 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	G213																													23071811-011
2	G214																													
3	G215																													012
4	G216																													
5	G217																													013
6	G218																													014
7	G270																													015
8	G271																													016
9	G272																													
10	G273																													017
11	G274																													
12	G275																													018
13	G275D																													019
14	G276																													020
15	G277																													021
16	G278 Incident Water			8-15-23	DRY																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-15	1518		8/15/23	1518	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8-15-23				

2307 1811

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

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
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	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	G279																														23071811 - 022
2	G280																														023
3	G281																														024
4	G283			8-15-23	1145																										025
5	G284			↓	1010																										026
6	G285			↓	1107																										027
7	G286																														
8	G287																														
9	G288																														
10	G301																														028
11	G302																														029
12	G303																														030
13	G305																														031
14	G306																														032
15	G307																														033
16	G307D																														034 ~~033~~ TE 8/15/23

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cole	8-15	1518		8.15.23	1515	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-15-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

23071811

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

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; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N / 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	G407																														23071811-049
2	G410																														050
3	G411																														051
4	G1001 insufficient water				8-15-23	DRY																									052
5	G1003																														
6	L203 insufficient water				8-15-23	DRY																									
7	MW03D																														
8	MW11D																														
9	MW11S																														
10	MW12D																														
11	MW16D																														
12	MW16S																														
13	MW20S																														
14	NE Riser				8-15-23	1312																									053
15	R104																														
16	R201 ★				8-15-23	DRY																									054

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-15	1518		8-15-23	1518	

★ - hole in Air line

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jason Colp

SIGNATURE of SAMPLER: Jason Colp DATE Signed (MM/DD/YY): 8-15-23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

23071811

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	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	R205																														
2	SG-02																														
3	SG-03																														
4	SG-04																														
5	T127																														
6	T128																														
7	X201 Filter in lab			8-15-23	1253																										23071811-054/055 TE 8/15/23
8	XPW01																														056
9	XPW02																														057
10	XSG-01																														
11	Field Blank			8-15-23	1035																										058
12	G102 Duplicate																														
13	G200 Duplicate			8-15-23	DRY																										059
14	G273 Duplicate																														060
15	G301 Duplicate																														061
16	R201 Duplicate			8-15-23	DRY																										062

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-15	1578		8.15.23	1514	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8-15-23				

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 9/15/2023 5:25:50 PM

JOB DESCRIPTION

Radium-226 and Radium-228
SDG NUMBER 23071811-1

JOB NUMBER

160-51097-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

Generated
9/15/2023 5:25:50 PM

Authorized for release by
Jayna Awalt, Project Manager II
Jayna.Awalt@et.eurofinsus.com
(314)298-8566

Table of Contents

Case Narrative

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

GOP-845-101

Job ID: 160-51097-1

Laboratory: Eurofins St. Louis

Narrative

Job Narrative
160-51097-1

Receipt
The samples were received on 8/16/2023 5:15 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved. The temperature of the cooler at receipt was 18.2º C.

Receipt Exceptions
The following samples were listed on the Chain of Custody (COC); however, no samples were received: 23071811-006A (160-51097-6), 23071811-018A (160-51097-18), 23071811-021A (160-51097-21), 23071811-022A (160-51097-22), 23071811-033A (160-51097-33), 23071811-052A (160-51097-52), 23071811-054A (160-51097-54), 23071811-059A (160-51097-59) and 23071811-062A (160-51097-62). The COC states that these samples were dry or couldn't be pumped.

RAD
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.

Method 904.0: Radium-228
The following sample(s) did not meet the requested limit (RL) due to the reduced sample volume attributed to the presence of matrix interference. During preparation the analyst visually noted matrix effects. The data have been reported with this narrative. 23071811-002A (160-51097-2), 23071811-005A (160-51097-5), 23071811-014A (160-51097-14) and 23071811-020A (160-51097-20)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | 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
	23071811-001A	8/10/23 10:10	HNO3	Groundwater	✔
	23071811-002A	8/10/23 12:09	HNO3	Groundwater	✔
	23071811-003A	8/10/23 11:38	HNO3	Groundwater	✔
	23071811-004A	8/10/23 11:13	HNO3	Groundwater	✔
	23071811-005A	8/10/23 10:46	HNO3	Groundwater	✔
	23071811-006A	Dry	HNO3	Groundwater	✔
	23071811-007A	8/14/23 1152	HNO3	Groundwater	✔
	23071811-008A	8/14/23 1134	HNO3	Groundwater	✔
	23071811-009A	8/14/23 1046	HNO3	Groundwater	✔
	23071811-010A	8/10/23 15:28	HNO3	Groundwater	✔
	23071811-011A	8/10/23 15:08	HNO3	Groundwater	✔

160-51097 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	8-16-23 1630		8-16-23 4:20pm
~~FEDEX~~ SW 8/16/23	8-16-23 5:15pm	~~FEDEX~~ SW 8/16/23	
		Sima Washan	8/16/23 1715

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

Page 5 of 28

9/15/2023

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Project# 23071811

Comments: **Please Issue reports and invoices via email only**
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Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
	23071811-012A	8/10/23 14:16	HNO3	Groundwater	✔											
	23071811-013A	8/10/23 13:25	HNO3	Groundwater	✔											
	23071811-014A	8/10/23 12:53	HNO3	Groundwater	✔											
	23071811-015A	8/14/23 1345	HNO3	Groundwater	✔											
	23071811-016A	8/14/23 1315	HNO3	Groundwater	✔											
	23071811-017A	8/14/23 1432	HNO3	Groundwater	✔											
	23071811-018A	DRY	HNO3	Groundwater	✔											
	23071811-019A	8/14/23 1120	HNO3	Groundwater	✔											
	23071811-020A	8/14/23 1235	HNO3	Groundwater	✔											
	23071811-021A	DRY	HNO3	Groundwater	✔											
	23071811-022A	DRY	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8:16:23 1630		8-16-23 4:20
	8-16-23 8:15PM	Sena Weyhn	8/16/23 1715

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SubCocRevA 3/2/2016

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

9/15/2023

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
	23071811-023A	8/14/23 1448	HNO3	Groundwater	✔											
	23071811-024A	8/14/23 1606	HNO3	Groundwater	✔											
	23071811-025A	8/15/23 1145	HNO3	Groundwater	✔											
	23071811-026A	8/15/23 1010	HNO3	Groundwater	✔											
	23071811-027A	8/15/23 1104	HNO3	Groundwater	✔											
	23071811-028A	8/9/23 1113	HNO3	Groundwater	✔											
	23071811-029A	8/9/23 1155	HNO3	Groundwater	✔											
	23071811-030A	8/9/23 1526	HNO3	Groundwater	✔											
	23071811-031A	8/10/23 1236	HNO3	Groundwater	✔											
	23071811-032A	8/10/23 1101	HNO3	Groundwater	✔											
	23071811-033A	Can't Pump	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8-16-23 1630		8-16-23 9:20
	8-16-23 5:05PM	Sina Wayne	8/16/23 1715

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SubCocRevA 3/2/2016

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

9/15/2023

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
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Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
	23071811-034A	8/10/23 12:12	HNO3	Groundwater	✔											
	23071811-035A	8/10/23 13:08	HNO3	Groundwater	✔											
	23071811-036A	8/9/23 1036	HNO3	Groundwater	✔											
	23071811-037A	8/9/23 1228	HNO3	Groundwater	✔											
	23071811-038A	8/9/23 1412	HNO3	Groundwater	✔											
	23071811-039A	8/9/23 1433	HNO3	Groundwater	✔											
	23071811-040A	8/9/23 1453	HNO3	Groundwater	✔											
	23071811-041A	8/10/23 11:29	HNO3	Groundwater	✔											
	23071811-042A	8/9/23 1343	HNO3	Groundwater	✔											
	23071811-043A	8.11.23 1122	HNO3	Groundwater	✔											
	23071811-044A	8.11.23 1204	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8.16.23 1635		8.16.23 1720
	8-16-23 5:15pm	Sina Waylon	8/16/23 1715

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

9/15/2023

SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
	23071811-045A	8·11·23 1051	HNO3	Groundwater	✔											
	23071811-046A	8/14/23 1543	HNO3	Groundwater	✔											
	23071811-047A	8·11·23 1241	HNO3	Groundwater	✔											
	23071811-048A	8·11·23 1013	HNO3	Groundwater	✔											
	23071811-049A	8/10/23 14:32	HNO3	Groundwater	✔											
	23071811-050A	8/10/23 14:58	HNO3	Groundwater	✔											
	23071811-051A	8/10/23 15:24	HNO3	Groundwater	✔											
	23071811-052A	Dry	HNO3	Groundwater	✔											
	23071811-053A	8/15/23 13:12	HNO3	Groundwater	✔											
	23071811-054A	Dry	HNO3	Groundwater	✔											
	23071811-055A	8/15/23 12:53	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8·16·23 1630		8·16·23 1620
	8-16-23 5:15pm	Simon Wickham	8/16/23 1715

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

9/15/2023

SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | 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											
	23071811-056A	8/10/23 13:22	HNO3	Groundwater	✔											
	23071811-057A	8/10/23 13:45	HNO3	Groundwater	✔											
	23071811-058A	8/15/23 10:35	HNO3	Groundwater	✔											
	23071811-059A	Dry	HNO3	Groundwater	✔											
	23071811-060A	8·14·23 1332	HNO3	Groundwater	✔											
	23071811-061A	8·9·23 1311	HNO3	Groundwater	✔											
	23071811-062A	Dry	HNO3	Groundwater	✔											
			HNO3	Groundwater												
			HNO3	Groundwater												
			HNO3	Groundwater												
			HNO3	Groundwater												

*Relinquished By	Date/Time	Received By	Date/Time
	8·16·23 1630		8·16·23 1620
	8/16/23 1815		8/16/23 1715

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/X/2116

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-51097-1
SDG Number: 23071811-1

Login Number: 51097
List Number: 1
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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?	True	
There are no discrepancies between the containers received and the COC.	False	Samples listed as Dry under Sample Date/Time were not received.
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 <6mm (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

Job ID: 160-51097-1
SDG: 23071811-1

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

Job ID: 160-51097-1
SDG: 23071811-1

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

Job ID: 160-51097-1
SDG: 23071811-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-51097-1	23071811-001A	Water	08/10/23 10:10	08/16/23 17:15
160-51097-2	23071811-002A	Water	08/10/23 12:09	08/16/23 17:15
160-51097-3	23071811-003A	Water	08/10/23 11:38	08/16/23 17:15
160-51097-4	23071811-004A	Water	08/10/23 11:13	08/16/23 17:15
160-51097-5	23071811-005A	Water	08/10/23 10:46	08/16/23 17:15
160-51097-7	23071811-007A	Water	08/14/23 11:52	08/16/23 17:15
160-51097-8	23071811-008A	Water	08/14/23 11:34	08/16/23 17:15
160-51097-9	23071811-009A	Water	08/14/23 10:46	08/16/23 17:15
160-51097-10	23071811-010A	Water	08/10/23 15:28	08/16/23 17:15
160-51097-11	23071811-011A	Water	08/10/23 15:08	08/16/23 17:15
160-51097-12	23071811-012A	Water	08/10/23 14:16	08/16/23 17:15
160-51097-13	23071811-013A	Water	08/10/23 13:25	08/16/23 17:15
160-51097-14	23071811-014A	Water	08/10/23 12:53	08/16/23 17:15
160-51097-15	23071811-015A	Water	08/14/23 13:45	08/16/23 17:15
160-51097-16	23071811-016A	Water	08/14/23 13:15	08/16/23 17:15
160-51097-17	23071811-017A	Water	08/14/23 14:32	08/16/23 17:15
160-51097-19	23071811-019A	Water	08/14/23 11:20	08/16/23 17:15
160-51097-20	23071811-020A	Water	08/14/23 12:35	08/16/23 17:15

Client Sample Results

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

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-001A
Date Collected: 08/10/23 10:10
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-1
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	0.0896	U	0.0833	0.0837	1.00	0.127	pCi/L	08/22/23 09:46	09/13/23 21:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:42*	*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	**0.890**		0.408	0.416	1.00	0.538	pCi/L	08/22/23 09:48	09/08/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*
Y Carrier	*84.9*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.980**		0.416	0.424	5.00	0.538	pCi/L		09/15/23 15:57	1

Client Sample ID: 23071811-002A
Date Collected: 08/10/23 12:09
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-2
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	**0.390**		0.255	0.257	1.00	0.353	pCi/L	08/22/23 09:46	09/13/23 21:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.2*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:42*	*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	0.911	U G	0.885	0.889	1.00	1.41	pCi/L	08/22/23 09:48	09/08/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.2*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*
Y Carrier	*82.6*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.30	U	0.921	0.925	5.00	1.41	pCi/L		09/15/23 15:57	1

Client Sample Results

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

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-003A
Date Collected: 08/10/23 11:38
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-3
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	0.174	U	0.148	0.149	1.00	0.226	pCi/L	08/22/23 09:46	09/13/23 21:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.2*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:42*	*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	0.0882	U	0.467	0.467	1.00	0.851	pCi/L	08/22/23 09:48	09/08/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.2*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*
Y Carrier	*80.7*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.262	U	0.490	0.490	5.00	0.851	pCi/L		09/15/23 15:57	1

Client Sample ID: 23071811-004A
Date Collected: 08/10/23 11:13
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-4
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	**0.206**		0.111	0.113	1.00	0.143	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.134	U	0.376	0.376	1.00	0.659	pCi/L	08/22/23 09:48	09/08/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*
Y Carrier	*83.4*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.339	U	0.392	0.393	5.00	0.659	pCi/L		09/15/23 15:57	1

Client Sample Results

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

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-005A
Date Collected: 08/10/23 10:46
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-5
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	1.47		0.391	0.413	1.00	0.335	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.9*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.10	U G	0.906	0.911	1.00	1.41	pCi/L	08/22/23 09:48	09/08/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.9*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*
Y Carrier	*84.1*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.57		0.987	1.00	5.00	1.41	pCi/L		09/15/23 15:57	1

Client Sample ID: 23071811-007A
Date Collected: 08/14/23 11:52
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-7
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.192		0.102	0.104	1.00	0.119	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.452	U	0.368	0.370	1.00	0.566	pCi/L	08/22/23 09:48	09/08/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.0*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*
Y Carrier	*83.4*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.645		0.382	0.384	5.00	0.566	pCi/L		09/15/23 15:57	1

Client Sample Results

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

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-008A
Date Collected: 08/14/23 11:34
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-8
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.334		0.126	0.130	1.00	0.125	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.535	U	0.394	0.397	1.00	0.601	pCi/L	08/22/23 09:48	09/08/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*
Y Carrier	*84.1*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.870		0.414	0.418	5.00	0.601	pCi/L		09/15/23 15:57	1

Client Sample ID: 23071811-009A
Date Collected: 08/14/23 10:46
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0518	U	0.0700	0.0701	1.00	0.118	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.2*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.324	U	0.329	0.331	1.00	0.530	pCi/L	08/22/23 09:48	09/08/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.2*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*
Y Carrier	*84.5*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.376	U	0.336	0.338	5.00	0.530	pCi/L		09/15/23 15:57	1

Client Sample Results

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

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-010A
Date Collected: 08/10/23 15:28
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-10
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	-0.0256	U	0.0480	0.0480	1.00	0.121	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.408	U	0.362	0.364	1.00	0.570	pCi/L	08/22/23 09:48	09/08/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*
Y Carrier	*83.4*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.408	U	0.365	0.367	5.00	0.570	pCi/L		09/15/23 15:57	1

Client Sample ID: 23071811-011A
Date Collected: 08/10/23 15:08
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-11
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	0.0681	U	0.0987	0.0989	1.00	0.168	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0868	U	0.317	0.317	1.00	0.568	pCi/L	08/22/23 09:48	09/08/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:03*	*1*
Y Carrier	*89.0*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:03*	*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	0.155	U	0.332	0.332	5.00	0.568	pCi/L		09/15/23 15:57	1

Client Sample Results

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

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-012A
Date Collected: 08/10/23 14:16
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-12
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	0.170		0.0977	0.0989	1.00	0.125	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.480	U	0.365	0.368	1.00	0.558	pCi/L	08/22/23 09:48	09/08/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:03*	*1*
Y Carrier	*85.2*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:03*	*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	0.650		0.378	0.381	5.00	0.558	pCi/L		09/15/23 15:57	1

Client Sample ID: 23071811-013A
Date Collected: 08/10/23 13:25
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-13
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	0.410		0.192	0.196	1.00	0.228	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.4*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.397	U	0.525	0.526	1.00	0.878	pCi/L	08/22/23 09:48	09/08/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.4*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:03*	*1*
Y Carrier	*85.2*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:03*	*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	0.807	U	0.559	0.561	5.00	0.878	pCi/L		09/15/23 15:57	1

Client Sample Results

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

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-014A
Date Collected: 08/10/23 12:53
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-14
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	0.297	U	0.298	0.299	1.00	0.468	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*30.3*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.17	U G	1.46	1.48	1.00	2.19	pCi/L	08/22/23 09:48	09/08/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*30.3*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:04*	*1*
Y Carrier	*89.7*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**2.46**		1.49	1.51	5.00	2.19	pCi/L		09/15/23 15:57	1

Client Sample ID: 23071811-015A
Date Collected: 08/14/23 13:45
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-15
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	0.0429	U	0.0929	0.0930	1.00	0.166	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.175	U	0.380	0.381	1.00	0.661	pCi/L	08/22/23 09:48	09/08/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:04*	*1*
Y Carrier	*83.0*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.217	U	0.391	0.392	5.00	0.661	pCi/L		09/15/23 15:57	1

Client Sample Results

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

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-016A
Date Collected: 08/14/23 13:15
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-16
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	0.0522	U	0.0851	0.0852	1.00	0.147	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.442	U	0.356	0.359	1.00	0.552	pCi/L	08/22/23 09:48	09/08/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:04*	*1*
Y Carrier	*87.9*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.495	U	0.366	0.369	5.00	0.552	pCi/L		09/15/23 15:57	1

Client Sample ID: 23071811-017A
Date Collected: 08/14/23 14:32
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-17
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	0.0657	U	0.0835	0.0837	1.00	0.139	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.394	U	0.317	0.319	1.00	0.485	pCi/L	08/22/23 09:48	09/08/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:04*	*1*
Y Carrier	*86.0*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.460	U	0.328	0.330	5.00	0.485	pCi/L		09/15/23 15:57	1

Client Sample Results

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

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-019A
Date Collected: 08/14/23 11:20
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-19
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	0.448		0.189	0.193	1.00	0.221	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.288	U	0.510	0.511	1.00	0.879	pCi/L	08/22/23 09:48	09/08/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:04*	*1*
Y Carrier	*83.0*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.735	U	0.544	0.546	5.00	0.879	pCi/L		09/15/23 15:57	1

Client Sample ID: 23071811-020A
Date Collected: 08/14/23 12:35
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-20
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	0.304		0.172	0.174	1.00	0.217	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*63.2*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.00460	U G	0.562	0.562	1.00	1.06	pCi/L	08/22/23 09:48	09/08/23 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*63.2*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:05*	*1*
Y Carrier	*85.2*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:05*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.309	U	0.588	0.588	5.00	1.06	pCi/L		09/15/23 15:57	1

QC Sample Results

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

Job ID: 160-51097-1
SDG: 23071811-1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-624954/1-A
Matrix: Water
Analysis Batch: 627936

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 624954

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03330	U	0.0668	0.0669	1.00	0.120	pCi/L	08/22/23 09:46	09/13/23 21:36	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.7*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:36*	*1*

Lab Sample ID: LCS 160-624954/2-A
Matrix: Water
Analysis Batch: 627936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 624954

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.996		1.07	1.00	0.107	pCi/L	88	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*97.5*		*30 - 110*

Lab Sample ID: LCSD 160-624954/3-A
Matrix: Water
Analysis Batch: 627939

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 624954

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			11.3	10.90		1.16	1.00	0.133	pCi/L	96	75 - 125	0.41	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*94.2*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-624955/1-A
Matrix: Water
Analysis Batch: 627240

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 624955

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2999	U	0.298	0.299	1.00	0.477	pCi/L	08/22/23 09:48	09/08/23 11:57	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.7*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:57*	*1*
Y Carrier	*86.4*		*30 - 110*	*08/22/23 09:48*	*09/08/23 11:57*	*1*

QC Sample Results

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

Job ID: 160-51097-1
SDG: 23071811-1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-624955/2-A
Matrix: Water
Analysis Batch: 627240

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 624955

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.89	8.160		1.15	1.00	0.448	pCi/L	103	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*97.5*		*30 - 110*
Y Carrier	*86.0*		*30 - 110*

Lab Sample ID: LCSD 160-624955/3-A
Matrix: Water
Analysis Batch: 627240

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 624955

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.89	7.989		1.15	1.00	0.505	pCi/L	101	75 - 125	0.07	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*94.2*		*30 - 110*
Y Carrier	*86.7*		*30 - 110*

QC Association Summary

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

Job ID: 160-51097-1
SDG: 23071811-1

Rad

Prep Batch: 624954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51097-1	23071811-001A	Total/NA	Water	PrecSep-21	
160-51097-2	23071811-002A	Total/NA	Water	PrecSep-21	
160-51097-3	23071811-003A	Total/NA	Water	PrecSep-21	
160-51097-4	23071811-004A	Total/NA	Water	PrecSep-21	
160-51097-5	23071811-005A	Total/NA	Water	PrecSep-21	
160-51097-7	23071811-007A	Total/NA	Water	PrecSep-21	
160-51097-8	23071811-008A	Total/NA	Water	PrecSep-21	
160-51097-9	23071811-009A	Total/NA	Water	PrecSep-21	
160-51097-10	23071811-010A	Total/NA	Water	PrecSep-21	
160-51097-11	23071811-011A	Total/NA	Water	PrecSep-21	
160-51097-12	23071811-012A	Total/NA	Water	PrecSep-21	
160-51097-13	23071811-013A	Total/NA	Water	PrecSep-21	
160-51097-14	23071811-014A	Total/NA	Water	PrecSep-21	
160-51097-15	23071811-015A	Total/NA	Water	PrecSep-21	
160-51097-16	23071811-016A	Total/NA	Water	PrecSep-21	
160-51097-17	23071811-017A	Total/NA	Water	PrecSep-21	
160-51097-19	23071811-019A	Total/NA	Water	PrecSep-21	
160-51097-20	23071811-020A	Total/NA	Water	PrecSep-21	
MB 160-624954/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-624954/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-624954/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 624955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51097-1	23071811-001A	Total/NA	Water	PrecSep_0	
160-51097-2	23071811-002A	Total/NA	Water	PrecSep_0	
160-51097-3	23071811-003A	Total/NA	Water	PrecSep_0	
160-51097-4	23071811-004A	Total/NA	Water	PrecSep_0	
160-51097-5	23071811-005A	Total/NA	Water	PrecSep_0	
160-51097-7	23071811-007A	Total/NA	Water	PrecSep_0	
160-51097-8	23071811-008A	Total/NA	Water	PrecSep_0	
160-51097-9	23071811-009A	Total/NA	Water	PrecSep_0	
160-51097-10	23071811-010A	Total/NA	Water	PrecSep_0	
160-51097-11	23071811-011A	Total/NA	Water	PrecSep_0	
160-51097-12	23071811-012A	Total/NA	Water	PrecSep_0	
160-51097-13	23071811-013A	Total/NA	Water	PrecSep_0	
160-51097-14	23071811-014A	Total/NA	Water	PrecSep_0	
160-51097-15	23071811-015A	Total/NA	Water	PrecSep_0	
160-51097-16	23071811-016A	Total/NA	Water	PrecSep_0	
160-51097-17	23071811-017A	Total/NA	Water	PrecSep_0	
160-51097-19	23071811-019A	Total/NA	Water	PrecSep_0	
160-51097-20	23071811-020A	Total/NA	Water	PrecSep_0	
MB 160-624955/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-624955/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-624955/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-51097-1
SDG: 23071811-1

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)						
160-51097-1	23071811-001A	87.2						
160-51097-2	23071811-002A	72.2						
160-51097-3	23071811-003A	84.2						
160-51097-4	23071811-004A	95.0						
160-51097-5	23071811-005A	72.9						
160-51097-7	23071811-007A	83.0						
160-51097-8	23071811-008A	90.0						
160-51097-9	23071811-009A	89.2						
160-51097-10	23071811-010A	89.5						
160-51097-11	23071811-011A	90.5						
160-51097-12	23071811-012A	90.0						
160-51097-13	23071811-013A	75.4						
160-51097-14	23071811-014A	30.3						
160-51097-15	23071811-015A	92.5						
160-51097-16	23071811-016A	90.2						
160-51097-17	23071811-017A	93.5						
160-51097-19	23071811-019A	78.2						
160-51097-20	23071811-020A	63.2						
LCS 160-624954/2-A	Lab Control Sample	97.5						
LCSD 160-624954/3-A	Lab Control Sample Dup	94.2						
MB 160-624954/1-A	Method Blank	99.7						

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)							
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)						
160-51097-1	23071811-001A	87.2	84.9						
160-51097-2	23071811-002A	72.2	82.6						
160-51097-3	23071811-003A	84.2	80.7						
160-51097-4	23071811-004A	95.0	83.4						
160-51097-5	23071811-005A	72.9	84.1						
160-51097-7	23071811-007A	83.0	83.4						
160-51097-8	23071811-008A	90.0	84.1						
160-51097-9	23071811-009A	89.2	84.5						
160-51097-10	23071811-010A	89.5	83.4						
160-51097-11	23071811-011A	90.5	89.0						
160-51097-12	23071811-012A	90.0	85.2						
160-51097-13	23071811-013A	75.4	85.2						
160-51097-14	23071811-014A	30.3	89.7						
160-51097-15	23071811-015A	92.5	83.0						
160-51097-16	23071811-016A	90.2	87.9						
160-51097-17	23071811-017A	93.5	86.0						
160-51097-19	23071811-019A	78.2	83.0						
160-51097-20	23071811-020A	63.2	85.2						
LCS 160-624955/2-A	Lab Control Sample	97.5	86.0						

Tracer/Carrier Summary

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

Job ID: 160-51097-1
SDG: 23071811-1

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)								
LCSD 160-624955/3-A	Lab Control Sample Dup	94.2	86.7								
MB 160-624955/1-A	Method Blank	99.7	86.4								

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 9/28/2023 8:46:37 AM Revision 1

JOB DESCRIPTION

Radium-226 and Radium-228
SDG NUMBER 23071811-2

JOB NUMBER

160-51097-2

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

Generated
9/28/2023 8:46:37 AM
Revision 1

Authorized for release by
Jayna Awalt, Project Manager II
Jayna.Awalt@et.eurofinsus.com
(314)298-8566

Table of Contents

Case Narrative

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

COP-845-101

Job ID: 160-51097-2

Laboratory: Eurofins St. Louis

Narrative

Job Narrative
160-51097-2

Revision
The report being provided is a revision of the original report sent on 9/15/2023. The report (revision 1) is being revised due to: Sample collection times have been updated per client request.

Receipt
The samples were received on 8/16/2023 5:15 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved. The temperature of the cooler at receipt was 18.2º C.

Receipt Exceptions
The following samples were listed on the Chain of Custody (COC); however, no samples were received: 23071811-006A (160-51097-6), 23071811-018A (160-51097-18), 23071811-021A (160-51097-21), 23071811-022A (160-51097-22), 23071811-033A (160-51097-33), 23071811-052A (160-51097-52), 23071811-054A (160-51097-54), 23071811-059A (160-51097-59) and 23071811-062A (160-51097-62). The COC states that these samples were dry or couldn't be pumped.

RAD
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.

Method 904.0: Radium-228
The Ra-228 laboratory control sample (LCS) associated with the following samples recovered at 129%: (LCS 160-624957/2-A). 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 (63-154%) per method requirements. The LCS is within criteria and no further action is required.

The following sample(s) did not meet the requested limit (RL) due to the reduced sample volume attributed to the presence of matrix interference. During preparation the analyst visually noted matrix effects. The data have been reported with this narrative. 23071811-030A (160-51097-30) and 23071811-032A (160-51097-32)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Jayna Awalt

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Thursday, September 28, 2023 8:11 AM
To: Jayna Awalt
Subject: Teklab WO# 23071811 - Revision Request

Categories: Super important

Good morning, Jayna,

Teklab client has requested a revised report for WO# 23071811 to update the following collection times:

23071811-035 from 1308 to 1300
23071811-044 from 1204 to 1209
23071811-060 from 1332 to 1432
23071811-061 from 1311 to 1113

Thanks for your help.

Have a great day!

Elizabeth Hurley
Director of Customer Service

Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	23071811-001A	8/10/23 10:10	HNO3	Groundwater	✔
	23071811-002A	8/10/23 12:09	HNO3	Groundwater	✔
	23071811-003A	8/10/23 11:38	HNO3	Groundwater	✔
	23071811-004A	8/10/23 11:13	HNO3	Groundwater	✔
	23071811-005A	8/10/23 10:46	HNO3	Groundwater	✔
	23071811-006A	Dry	HNO3	Groundwater	✔
	23071811-007A	8/14/23 1152	HNO3	Groundwater	✔
	23071811-008A	8/14/23 1134	HNO3	Groundwater	✔
	23071811-009A	8/14/23 1046	HNO3	Groundwater	✔
	23071811-010A	8/10/23 15:28	HNO3	Groundwater	✔
	23071811-011A	8/10/23 15:08	HNO3	Groundwater	✔

160-51097 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	8-16-23 1630		8-16-23 4:20pm
~~FEDEX~~ SW 8/16/23	8-16-23 5:15pm	~~FEDEX~~ SW 8/16/23	
		Sima Washan	8/16/23 1715

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Project# 23071811

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
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Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
	23071811-012A	8/10/23 14:16	HNO3	Groundwater	✔											
	23071811-013A	8/10/23 13:25	HNO3	Groundwater	✔											
	23071811-014A	8/10/23 12:53	HNO3	Groundwater	✔											
	23071811-015A	8/14/23 1345	HNO3	Groundwater	✔											
	23071811-016A	8/14/23 1315	HNO3	Groundwater	✔											
	23071811-017A	8/14/23 1432	HNO3	Groundwater	✔											
	23071811-018A	DRY	HNO3	Groundwater	✔											
	23071811-019A	8/14/23 1120	HNO3	Groundwater	✔											
	23071811-020A	8/14/23 1235	HNO3	Groundwater	✔											
	23071811-021A	DRY	HNO3	Groundwater	✔											
	23071811-022A	DRY	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8:16:23 1630		8-16-23 4:20
	8-16-23 8:15PM	Sena Weyhn	8/16/23 1715

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SubCocRevA 3/2/2016

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
	23071811-023A	8/14/23 1448	HNO3	Groundwater	✔											
	23071811-024A	8/14/23 1606	HNO3	Groundwater	✔											
	23071811-025A	8/15/23 1145	HNO3	Groundwater	✔											
	23071811-026A	8/15/23 1010	HNO3	Groundwater	✔											
	23071811-027A	8/15/23 1104	HNO3	Groundwater	✔											
	23071811-028A	8/9/23 1113	HNO3	Groundwater	✔											
	23071811-029A	8/9/23 1155	HNO3	Groundwater	✔											
	23071811-030A	8/9/23 1526	HNO3	Groundwater	✔											
	23071811-031A	8/10/23 1236	HNO3	Groundwater	✔											
	23071811-032A	8/10/23 1101	HNO3	Groundwater	✔											
	23071811-033A	Can't Pump	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8-16-23 1630		8-16-23 9:20
	8-16-23 5:05PM	Sina Wayne	8/16/23 1715

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SubCocRevA 3/2/2016

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883
Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
	23071811-034A	8/10/23 12:12	HNO3	Groundwater	✔											
	23071811-035A	8/10/23 13:08	HNO3	Groundwater	✔											
	23071811-036A	8/9/23 1036	HNO3	Groundwater	✔											
	23071811-037A	8/9/23 1228	HNO3	Groundwater	✔											
	23071811-038A	8/9/23 1412	HNO3	Groundwater	✔											
	23071811-039A	8/9/23 1433	HNO3	Groundwater	✔											
	23071811-040A	8/9/23 1453	HNO3	Groundwater	✔											
	23071811-041A	8/10/23 11:29	HNO3	Groundwater	✔											
	23071811-042A	8/9/23 1343	HNO3	Groundwater	✔											
	23071811-043A	8-11-23 1122	HNO3	Groundwater	✔											
	23071811-044A	8-11-23 1204	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8-16-23 1635		8-16-23 4:20
	8-16-23 5:15pm	Sina Wayne	8/16/23 1715

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
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Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228
	23071811-045A	8·11·23 1051	HNO3	Groundwater	✔
	23071811-046A	8/14/23 1543	HNO3	Groundwater	✔
	23071811-047A	8·11·23 1241	HNO3	Groundwater	✔
	23071811-048A	8·11·23 1013	HNO3	Groundwater	✔
	23071811-049A	8/10/23 14:32	HNO3	Groundwater	✔
	23071811-050A	8/10/23 14:58	HNO3	Groundwater	✔
	23071811-051A	8/10/23 15:24	HNO3	Groundwater	✔
	23071811-052A	Dry	HNO3	Groundwater	✔
	23071811-053A	8/15/23 13:12	HNO3	Groundwater	✔
	23071811-054A	Dry	HNO3	Groundwater	✔
	23071811-055A	8/15/23 12:53	HNO3	Groundwater	✔

*Relinquished By	Date/Time	Received By	Date/Time
	8·16·23 1630		8·16-23 4:20
	8-16-23 5:15pm	Simon Wickham	8/16/23 1715

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COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Project# 23071811

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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											
	23071811-056A	8/10/23 13:22	HNO3	Groundwater	✔											
	23071811-057A	8/10/23 13:45	HNO3	Groundwater	✔											
	23071811-058A	8/15/23 10:35	HNO3	Groundwater	✔											
	23071811-059A	Dry	HNO3	Groundwater	✔											
	23071811-060A	8·14·23 1332	HNO3	Groundwater	✔											
	23071811-061A	8·9·23 1311	HNO3	Groundwater	✔											
	23071811-062A	Dry	HNO3	Groundwater	✔											
			HNO3	Groundwater												
			HNO3	Groundwater												
			HNO3	Groundwater												
			HNO3	Groundwater												

*Relinquished By	Date/Time	Received By	Date/Time
	8·16·23 1630		8·16·23 1620
	8/16/23 1815		8/16/23 1715

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/X/2116

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-51097-2
SDG Number: 23071811-2

Login Number: 51097
List Number: 1
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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?	True	
There are no discrepancies between the containers received and the COC.	False	Samples listed as Dry under Sample Date/Time were not received.
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 <6mm (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

Job ID: 160-51097-2
SDG: 23071811-2

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

Job ID: 160-51097-2
SOP-845-101
SDG: 23071811-2

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

Job ID: 160-51097-2
SDG: 23071811-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-51097-23	23071811-023A	Water	08/14/23 14:48	08/16/23 17:15
160-51097-24	23071811-024A	Water	08/14/23 16:06	08/16/23 17:15
160-51097-25	23071811-025A	Water	08/15/23 11:45	08/16/23 17:15
160-51097-26	23071811-026A	Water	08/15/23 10:10	08/16/23 17:15
160-51097-27	23071811-027A	Water	08/15/23 11:04	08/16/23 17:15
160-51097-28	23071811-028A	Water	08/09/23 11:13	08/16/23 17:15
160-51097-29	23071811-029A	Water	08/09/23 11:55	08/16/23 17:15
160-51097-30	23071811-030A	Water	08/09/23 15:26	08/16/23 17:15
160-51097-31	23071811-031A	Water	08/10/23 12:36	08/16/23 17:15
160-51097-32	23071811-032A	Water	08/10/23 11:01	08/16/23 17:15
160-51097-34	23071811-034A	Water	08/10/23 12:12	08/16/23 17:15
160-51097-35	23071811-035A	Water	08/10/23 13:00	08/16/23 17:15
160-51097-36	23071811-036A	Water	08/09/23 10:36	08/16/23 17:15
160-51097-37	23071811-037A	Water	08/09/23 12:28	08/16/23 17:15
160-51097-38	23071811-038A	Water	08/09/23 14:12	08/16/23 17:15
160-51097-39	23071811-039A	Water	08/09/23 14:33	08/16/23 17:15
160-51097-40	23071811-040A	Water	08/09/23 14:53	08/16/23 17:15

Client Sample Results

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

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-023A
Date Collected: 08/14/23 14:48
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-23
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	0.0514	U	0.0719	0.0720	1.00	0.122	pCi/L	08/22/23 09:46	09/13/23 21:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.139	U	0.347	0.347	1.00	0.609	pCi/L	08/22/23 09:48	09/08/23 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:05*	*1*
Y Carrier	*85.6*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:05*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.190	U	0.354	0.354	5.00	0.609	pCi/L		09/15/23 15:57	1

Client Sample ID: 23071811-024A
Date Collected: 08/14/23 16:06
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-24
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	0.0608	U	0.0781	0.0783	1.00	0.130	pCi/L	08/22/23 09:46	09/13/23 21:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.607	U	0.423	0.426	1.00	0.645	pCi/L	08/22/23 09:48	09/08/23 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:05*	*1*
Y Carrier	*87.1*		*30 - 110*	*08/22/23 09:48*	*09/08/23 12:05*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.667**		0.430	0.433	5.00	0.645	pCi/L		09/15/23 15:57	1

Client Sample Results

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

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-025A
Date Collected: 08/15/23 11:45
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-25
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	0.365		0.118	0.123	1.00	0.0997	pCi/L	08/22/23 09:49	09/13/23 07:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:25*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.355	U	0.285	0.287	1.00	0.436	pCi/L	08/22/23 09:53	09/07/23 11:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:36*	*1*
Y Carrier	*87.9*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:36*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.719		0.308	0.312	5.00	0.436	pCi/L		09/15/23 15:50	1

Client Sample ID: 23071811-026A
Date Collected: 08/15/23 10:10
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-26
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	0.0930	U	0.0737	0.0742	1.00	0.103	pCi/L	08/22/23 09:49	09/13/23 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:26*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.473	U	0.337	0.340	1.00	0.508	pCi/L	08/22/23 09:53	09/07/23 11:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.2*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:36*	*1*
Y Carrier	*87.5*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:36*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.566		0.345	0.348	5.00	0.508	pCi/L		09/15/23 15:50	1

Client Sample Results

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

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-027A
Date Collected: 08/15/23 11:04
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-27
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	0.379		0.142	0.146	1.00	0.126	pCi/L	08/22/23 09:49	09/13/23 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.7*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:26*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.01		0.599	0.627	1.00	0.671	pCi/L	08/22/23 09:53	09/07/23 11:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.7*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:37*	*1*
Y Carrier	*86.7*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:37*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.39		0.616	0.644	5.00	0.671	pCi/L		09/15/23 15:50	1

Client Sample ID: 23071811-028A
Date Collected: 08/09/23 11:13
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-28
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	0.0854	U	0.0897	0.0900	1.00	0.140	pCi/L	08/22/23 09:49	09/13/23 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:26*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.940		0.528	0.535	1.00	0.763	pCi/L	08/22/23 09:53	09/07/23 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:38*	*1*
Y Carrier	*86.7*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:38*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.03		0.536	0.543	5.00	0.763	pCi/L		09/15/23 15:50	1

Client Sample Results

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

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-029A
Date Collected: 08/09/23 11:55
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-29
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	0.0958	U	0.0837	0.0842	1.00	0.126	pCi/L	08/22/23 09:49	09/13/23 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:26*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.827**		0.441	0.447	1.00	0.635	pCi/L	08/22/23 09:53	09/07/23 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:38*	*1*
Y Carrier	*84.1*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:38*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.923**		0.449	0.455	5.00	0.635	pCi/L		09/15/23 15:50	1

Client Sample ID: 23071811-030A
Date Collected: 08/09/23 15:26
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-30
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	**0.267**		0.172	0.174	1.00	0.224	pCi/L	08/22/23 09:49	09/13/23 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:26*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.770	U G	0.833	0.836	1.00	1.36	pCi/L	08/22/23 09:53	09/07/23 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:38*	*1*
Y Carrier	*84.1*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:38*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.04	U	0.851	0.854	5.00	1.36	pCi/L		09/15/23 15:50	1

Client Sample Results

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

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-031A
Date Collected: 08/10/23 12:36
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-31
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	0.0173	U	0.0666	0.0666	1.00	0.127	pCi/L	08/22/23 09:49	09/13/23 07:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.532**		0.330	0.334	1.00	0.480	pCi/L	08/22/23 09:53	09/07/23 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:38*	*1*
Y Carrier	*87.1*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:38*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.549**		0.337	0.341	5.00	0.480	pCi/L		09/15/23 15:50	1

Client Sample ID: 23071811-032A
Date Collected: 08/10/23 11:01
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-32
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	**0.425**		0.278	0.280	1.00	0.370	pCi/L	08/22/23 09:49	09/13/23 07:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*53.1*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**4.51**	**G**	1.58	1.64	1.00	1.97	pCi/L	08/22/23 09:53	09/07/23 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*53.1*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:38*	*1*
Y Carrier	*85.2*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:38*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**4.93**		1.60	1.66	5.00	1.97	pCi/L		09/15/23 15:50	1

Client Sample Results

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

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-034A
Date Collected: 08/10/23 12:12
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-34
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	0.0678	U	0.0853	0.0855	1.00	0.141	pCi/L	08/22/23 09:49	09/13/23 07:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.350	U	0.335	0.337	1.00	0.535	pCi/L	08/22/23 09:53	09/07/23 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:38*	*1*
Y Carrier	*84.9*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:38*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.417	U	0.346	0.348	5.00	0.535	pCi/L		09/15/23 15:50	1

Client Sample ID: 23071811-035A
Date Collected: 08/10/23 13:00
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-35
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	0.00179	U	0.0775	0.0775	1.00	0.154	pCi/L	08/22/23 09:49	09/13/23 07:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.215	U	0.336	0.337	1.00	0.572	pCi/L	08/22/23 09:53	09/07/23 11:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:39*	*1*
Y Carrier	*83.0*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:39*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.217	U	0.345	0.346	5.00	0.572	pCi/L		09/15/23 15:50	1

Client Sample Results

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

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-036A
Date Collected: 08/09/23 10:36
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-36
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	0.00267	U	0.0722	0.0722	1.00	0.144	pCi/L	08/22/23 09:49	09/13/23 07:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.404	U	0.354	0.356	1.00	0.557	pCi/L	08/22/23 09:53	09/07/23 11:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:39*	*1*
Y Carrier	*86.0*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:39*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.407	U	0.361	0.363	5.00	0.557	pCi/L		09/15/23 15:50	1

Client Sample ID: 23071811-037A
Date Collected: 08/09/23 12:28
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-37
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	0.0401	U	0.0767	0.0768	1.00	0.136	pCi/L	08/22/23 09:49	09/13/23 07:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.776**		0.397	0.403	1.00	0.544	pCi/L	08/22/23 09:53	09/07/23 11:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:39*	*1*
Y Carrier	*79.3*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:39*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.816**		0.404	0.410	5.00	0.544	pCi/L		09/15/23 15:50	1

Client Sample Results

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

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-038A
Date Collected: 08/09/23 14:12
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-38
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	0.0572	U	0.0645	0.0647	1.00	0.103	pCi/L	08/22/23 09:49	09/13/23 07:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.7*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:33*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.569**		0.354	0.358	1.00	0.519	pCi/L	08/22/23 09:53	09/07/23 11:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.7*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:39*	*1*
Y Carrier	*84.9*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:39*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.627**		0.360	0.364	5.00	0.519	pCi/L		09/15/23 15:50	1

Client Sample ID: 23071811-039A
Date Collected: 08/09/23 14:33
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-39
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	**0.259**		0.109	0.112	1.00	0.116	pCi/L	08/22/23 09:49	09/13/23 07:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:34*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.940**		0.393	0.403	1.00	0.503	pCi/L	08/22/23 09:53	09/07/23 11:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:39*	*1*
Y Carrier	*84.5*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:39*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.20**		0.408	0.418	5.00	0.503	pCi/L		09/15/23 15:50	1

Client Sample Results

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

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-040A

Date Collected: 08/09/23 14:53
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-40

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	0.635		0.186	0.194	1.00	0.150	pCi/L	08/22/23 09:49	09/13/23 07:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:34*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.961		0.488	0.496	1.00	0.663	pCi/L	08/22/23 09:53	09/07/23 11:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:39*	*1*
Y Carrier	*84.5*		*30 - 110*	*08/22/23 09:53*	*09/07/23 11:39*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.60		0.522	0.533	5.00	0.663	pCi/L		09/15/23 15:50	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-624954/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 627936 — **Prep Batch: 624954**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03330	U	0.0668	0.0669	1.00	0.120	pCi/L	08/22/23 09:46	09/13/23 21:36	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.7*		*30 - 110*	*08/22/23 09:46*	*09/13/23 21:36*	*1*

Lab Sample ID: LCS 160-624954/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 627936 — **Prep Batch: 624954**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.996		1.07	1.00	0.107	pCi/L	88	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*97.5*		*30 - 110*

Lab Sample ID: LCSD 160-624954/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 627939 — **Prep Batch: 624954**

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			11.3	10.90		1.16	1.00	0.133	pCi/L	96	75 - 125	0.41	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*94.2*		*30 - 110*

Lab Sample ID: MB 160-624956/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 627936 — **Prep Batch: 624956**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.006388	U	0.0589	0.0589	1.00	0.125	pCi/L	08/22/23 09:49	09/13/23 07:23	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*68.9*		*30 - 110*	*08/22/23 09:49*	*09/13/23 07:23*	*1*

Lab Sample ID: LCS 160-624956/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 627936 — **Prep Batch: 624956**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.65		1.15	1.00	0.115	pCi/L	94	75 - 125		

QC Sample Results

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

Job ID: 160-51097-2
SDG: 23071811-2

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-624956/2-A
Matrix: Water
Analysis Batch: 627936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 624956

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	80.2		30 - 110

Lab Sample ID: LCSD 160-624956/3-A
Matrix: Water
Analysis Batch: 627936

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 624956

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			11.3	11.13		1.20	1.00	0.130	pCi/L	98	75 - 125	0.20	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	76.9		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-624955/1-A
Matrix: Water
Analysis Batch: 627240

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 624955

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2999	U	0.298	0.299	1.00	0.477	pCi/L	08/22/23 09:48	09/08/23 11:57	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	99.7		30 - 110	08/22/23 09:48	09/08/23 11:57	1
Y Carrier	86.4		30 - 110	08/22/23 09:48	09/08/23 11:57	1

Lab Sample ID: LCS 160-624955/2-A
Matrix: Water
Analysis Batch: 627240

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 624955

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.89	8.160		1.15	1.00	0.448	pCi/L	103	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	97.5		30 - 110
Y Carrier	86.0		30 - 110

Lab Sample ID: LCSD 160-624955/3-A
Matrix: Water
Analysis Batch: 627240

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 624955

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.89	7.989		1.15	1.00	0.505	pCi/L	101	75 - 125	0.07	1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCSD 160-624955/3-A
Matrix: Water
Analysis Batch: 627240

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 624955

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	94.2		30 - 110
Y Carrier	86.7		30 - 110

Lab Sample ID: MB 160-624957/1-A
Matrix: Water
Analysis Batch: 627054

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 624957

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.7864		0.510	0.515	1.00	0.758	pCi/L	08/22/23 09:53	09/07/23 11:35	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	68.9		30 - 110	08/22/23 09:53	09/07/23 11:35	1
Y Carrier	83.0		30 - 110	08/22/23 09:53	09/07/23 11:35	1

Lab Sample ID: LCSD 160-624957/3-A
Matrix: Water
Analysis Batch: 627054

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 624957

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228			7.90	8.607		1.29	1.00	0.620	pCi/L	109	75 - 125	0.52	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	76.9		30 - 110
Y Carrier	84.5		30 - 110

QC Association Summary

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

Job ID: 160-51097-2
SDG: 23071811-2

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Prep Batch: 624954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51097-23	23071811-023A	Total/NA	Water	PrecSep-21	
160-51097-24	23071811-024A	Total/NA	Water	PrecSep-21	
MB 160-624954/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-624954/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-624954/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 624955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51097-23	23071811-023A	Total/NA	Water	PrecSep_0	
160-51097-24	23071811-024A	Total/NA	Water	PrecSep_0	
MB 160-624955/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-624955/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-624955/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 624956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51097-25	23071811-025A	Total/NA	Water	PrecSep-21	
160-51097-26	23071811-026A	Total/NA	Water	PrecSep-21	
160-51097-27	23071811-027A	Total/NA	Water	PrecSep-21	
160-51097-28	23071811-028A	Total/NA	Water	PrecSep-21	
160-51097-29	23071811-029A	Total/NA	Water	PrecSep-21	
160-51097-30	23071811-030A	Total/NA	Water	PrecSep-21	
160-51097-31	23071811-031A	Total/NA	Water	PrecSep-21	
160-51097-32	23071811-032A	Total/NA	Water	PrecSep-21	
160-51097-34	23071811-034A	Total/NA	Water	PrecSep-21	
160-51097-35	23071811-035A	Total/NA	Water	PrecSep-21	
160-51097-36	23071811-036A	Total/NA	Water	PrecSep-21	
160-51097-37	23071811-037A	Total/NA	Water	PrecSep-21	
160-51097-38	23071811-038A	Total/NA	Water	PrecSep-21	
160-51097-39	23071811-039A	Total/NA	Water	PrecSep-21	
160-51097-40	23071811-040A	Total/NA	Water	PrecSep-21	
MB 160-624956/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-624956/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-624956/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 624957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51097-25	23071811-025A	Total/NA	Water	PrecSep_0	
160-51097-26	23071811-026A	Total/NA	Water	PrecSep_0	
160-51097-27	23071811-027A	Total/NA	Water	PrecSep_0	
160-51097-28	23071811-028A	Total/NA	Water	PrecSep_0	
160-51097-29	23071811-029A	Total/NA	Water	PrecSep_0	
160-51097-30	23071811-030A	Total/NA	Water	PrecSep_0	
160-51097-31	23071811-031A	Total/NA	Water	PrecSep_0	
160-51097-32	23071811-032A	Total/NA	Water	PrecSep_0	
160-51097-34	23071811-034A	Total/NA	Water	PrecSep_0	
160-51097-35	23071811-035A	Total/NA	Water	PrecSep_0	
160-51097-36	23071811-036A	Total/NA	Water	PrecSep_0	
160-51097-37	23071811-037A	Total/NA	Water	PrecSep_0	
160-51097-38	23071811-038A	Total/NA	Water	PrecSep_0	
160-51097-39	23071811-039A	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 624957 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51097-40	23071811-040A	Total/NA	Water	PrecSep_0	
MB 160-624957/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCSD 160-624957/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-51097-2
SDG: 23071811-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)						
160-51097-23	23071811-023A	91.7						
160-51097-24	23071811-024A	91.5						
160-51097-25	23071811-025A	96.5						
160-51097-26	23071811-026A	92.2						
160-51097-27	23071811-027A	92.7						
160-51097-28	23071811-028A	92.0						
160-51097-29	23071811-029A	91.0						
160-51097-30	23071811-030A	90.2						
160-51097-31	23071811-031A	95.0						
160-51097-32	23071811-032A	53.1						
160-51097-34	23071811-034A	90.0						
160-51097-35	23071811-035A	91.0						
160-51097-36	23071811-036A	91.0						
160-51097-37	23071811-037A	92.0						
160-51097-38	23071811-038A	94.7						
160-51097-39	23071811-039A	94.0						
160-51097-40	23071811-040A	91.0						
LCS 160-624954/2-A	Lab Control Sample	97.5						
LCS 160-624956/2-A	Lab Control Sample	80.2						
LCSD 160-624954/3-A	Lab Control Sample Dup	94.2						
LCSD 160-624956/3-A	Lab Control Sample Dup	76.9						
MB 160-624954/1-A	Method Blank	99.7						
MB 160-624956/1-A	Method Blank	68.9						

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)					
160-51097-23	23071811-023A	91.7	85.6					
160-51097-24	23071811-024A	91.5	87.1					
160-51097-25	23071811-025A	96.5	87.9					
160-51097-26	23071811-026A	92.2	87.5					
160-51097-27	23071811-027A	92.7	86.7					
160-51097-28	23071811-028A	92.0	86.7					
160-51097-29	23071811-029A	91.0	84.1					
160-51097-30	23071811-030A	90.2	84.1					
160-51097-31	23071811-031A	95.0	87.1					
160-51097-32	23071811-032A	53.1	85.2					
160-51097-34	23071811-034A	90.0	84.9					
160-51097-35	23071811-035A	91.0	83.0					
160-51097-36	23071811-036A	91.0	86.0					
160-51097-37	23071811-037A	92.0	79.3					
160-51097-38	23071811-038A	94.7	84.9					
160-51097-39	23071811-039A	94.0	84.5					
160-51097-40	23071811-040A	91.0	84.5					

Tracer/Carrier Summary

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

Job ID: 160-51097-2
SDG: 23071811-2

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)
LCS 160-624955/2-A	Lab Control Sample	97.5	86.0
LCSD 160-624955/3-A	Lab Control Sample Dup	94.2	86.7
LCSD 160-624957/3-A	Lab Control Sample Dup	76.9	84.5
MB 160-624955/1-A	Method Blank	99.7	86.4
MB 160-624957/1-A	Method Blank	68.9	83.0

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 9/28/2023 8:55:05 AM Revision 1

JOB DESCRIPTION

Radium-226 and Radium-228
SDG NUMBER 23071811-3

JOB NUMBER

160-51097-3

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

Generated
9/28/2023 8:55:05 AM
Revision 1

Authorized for release by
Jayna Awalt, Project Manager II
Jayna.Awalt@et.eurofinsus.com
(314)298-8566

Table of Contents

Case Narrative

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

Job ID: 160-51097-3

Laboratory: Eurofins St. Louis

Narrative

Job Narrative
160-51097-3

Revision
The report being provided is a revision of the original report sent on 9/18/2023. The report (revision 1) is being revised due to: Sample collection times were changed per client request..

RECEIPT
The samples were received on 08/16/2023; the samples arrived in good condition, properly preserved. The temperature of the coolers at receipt was 18.2 C.

Receipt Exceptions:
The following samples were listed on the Chain of Custody (COC); however, no samples were received: 23071811-006A (160-51097-6), 23071811-018A (160-51097-18), 23071811-021A (160-51097-21), 23071811-022A (160-51097-22), 23071811-033A (160-51097-33), 23071811-052A (160-51097-52), 23071811-054A (160-51097-54), 23071811-059A (160-51097-59) and 23071811-062A (160-51097-62). The COC states that these samples were dry or couldn't be pumped. Samples were set to inactive.

RADIUM-226 (GFPC)
Samples 23071811-041A (160-51097-41), 23071811-042A (160-51097-42), 23071811-043A (160-51097-43), 23071811-044A (160-51097-44), 23071811-045A (160-51097-45), 23071811-046A (160-51097-46), 23071811-047A (160-51097-47), 23071811-048A (160-51097-48), 23071811-049A (160-51097-49), 23071811-050A (160-51097-50), 23071811-051A (160-51097-51), 23071811-053A (160-51097-53), 23071811-055A (160-51097-55), 23071811-056A (160-51097-56), 23071811-057A (160-51097-57), 23071811-058A (160-51097-58), 23071811-060A (160-51097-60) and 23071811-061A (160-51097-61) were analyzed for Radium-226 (GFPC) in accordance with EPA Method 903.0. The samples were prepared on 08/23/2023 and analyzed on 09/14/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

RADIUM-228 (GFPC)
Samples 23071811-041A (160-51097-41), 23071811-042A (160-51097-42), 23071811-043A (160-51097-43), 23071811-044A (160-51097-44), 23071811-045A (160-51097-45), 23071811-046A (160-51097-46), 23071811-047A (160-51097-47), 23071811-048A (160-51097-48), 23071811-049A (160-51097-49), 23071811-050A (160-51097-50), 23071811-051A (160-51097-51), 23071811-053A (160-51097-53), 23071811-055A (160-51097-55), 23071811-056A (160-51097-56), 23071811-057A (160-51097-57), 23071811-058A (160-51097-58), 23071811-060A (160-51097-60) and 23071811-061A (160-51097-61) were analyzed for Radium-228 (GFPC) in accordance with EPA 904. The samples were prepared on 08/23/2023 and analyzed on 09/11/2023.

The following sample(s) did not meet the requested limit (RL) due to the reduced sample volume attributed to the presence of matrix interference. During preparation the analyst visually noted matrix effects. The data have been reported with this narrative. 23071811-044A (160-51097-44) and 23071811-053A (160-51097-53)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

COMBINED RADIUM-226 AND RADIUM-228
Samples 23071811-041A (160-51097-41), 23071811-042A (160-51097-42), 23071811-043A (160-51097-43), 23071811-044A (160-51097-44), 23071811-045A (160-51097-45), 23071811-046A (160-51097-46), 23071811-047A (160-51097-47), 23071811-048A (160-51097-48), 23071811-049A (160-51097-49), 23071811-050A (160-51097-50), 23071811-051A (160-51097-51), 23071811-053A (160-51097-53), 23071811-055A (160-51097-55), 23071811-056A (160-51097-56), 23071811-057A (160-51097-57), 23071811-058A (160-51097-58), 23071811-060A (160-51097-60) and 23071811-061A (160-51097-61) were analyzed for Combined Radium-226 and Radium-228 in accordance with TAL-STL. The samples were analyzed on 09/18/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Jayna Awalt

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Thursday, September 28, 2023 8:11 AM
To: Jayna Awalt
Subject: Teklab WO# 23071811 - Revision Request

Categories: Super important

Good morning, Jayna,

Teklab client has requested a revised report for WO# 23071811 to update the following collection times:

23071811-035 from 1308 to 1300
23071811-044 from 1204 to 1209
23071811-060 from 1332 to 1432
23071811-061 from 1311 to 1113

Thanks for your help.

Have a great day!

Elizabeth Hurley
Director of Customer Service

Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | 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
	23071811-001A	8/10/23 10:10	HNO3	Groundwater	✔
	23071811-002A	8/10/23 12:09	HNO3	Groundwater	✔
	23071811-003A	8/10/23 11:38	HNO3	Groundwater	✔
	23071811-004A	8/10/23 11:13	HNO3	Groundwater	✔
	23071811-005A	8/10/23 10:46	HNO3	Groundwater	✔
	23071811-006A	Dry	HNO3	Groundwater	✔
	23071811-007A	8/14/23 1152	HNO3	Groundwater	✔
	23071811-008A	8/14/23 1134	HNO3	Groundwater	✔
	23071811-009A	8/14/23 1046	HNO3	Groundwater	✔
	23071811-010A	8/10/23 15:28	HNO3	Groundwater	✔
	23071811-011A	8/10/23 15:08	HNO3	Groundwater	✔

160-51097 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	8-16-23 1630		8-16-23 4:20pm
~~FEDEX~~ SW 8/16/23	8-16-23 5:15pm	~~FEDEX~~ SW 8/16/23	
		Sima Washan	8/16/23 1715

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

9/28/2023 (Rev. 1)

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Project# 23071811

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | 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											
	23071811-012A	8/10/23 14:16	HNO3	Groundwater	✔											
	23071811-013A	8/10/23 13:25	HNO3	Groundwater	✔											
	23071811-014A	8/10/23 12:53	HNO3	Groundwater	✔											
	23071811-015A	8/14/23 1345	HNO3	Groundwater	✔											
	23071811-016A	8/14/23 1315	HNO3	Groundwater	✔											
	23071811-017A	8/14/23 1432	HNO3	Groundwater	✔											
	23071811-018A	DRY	HNO3	Groundwater	✔											
	23071811-019A	8/14/23 1120	HNO3	Groundwater	✔											
	23071811-020A	8/14/23 1235	HNO3	Groundwater	✔											
	23071811-021A	DRY	HNO3	Groundwater	✔											
	23071811-022A	DRY	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8:16:23 1630		8-16-23 4:20
	8-16-23 8:15PM	Sena Weyhn	8/16/23 1715

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SubCocRevA 3/2/2016

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | 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											
	23071811-023A	8/14/23 1448	HNO3	Groundwater	✔											
	23071811-024A	8/14/23 1606	HNO3	Groundwater	✔											
	23071811-025A	8/15/23 1145	HNO3	Groundwater	✔											
	23071811-026A	8/15/23 1010	HNO3	Groundwater	✔											
	23071811-027A	8/15/23 1104	HNO3	Groundwater	✔											
	23071811-028A	8/9/23 1113	HNO3	Groundwater	✔											
	23071811-029A	8/9/23 1155	HNO3	Groundwater	✔											
	23071811-030A	8/9/23 1526	HNO3	Groundwater	✔											
	23071811-031A	8/10/23 1236	HNO3	Groundwater	✔											
	23071811-032A	8/10/23 1101	HNO3	Groundwater	✔											
	23071811-033A	Can't Pump	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8-16-23 1630		8-16-23 9:20
	8-16-23 5:05PM	Sina Wayman	8/16/23 1715

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SubCocRevA 3/2/2016

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
	23071811-034A	8/10/23 12:12	HNO3	Groundwater	✔											
	23071811-035A	8/10/23 13:08	HNO3	Groundwater	✔											
	23071811-036A	8/9/23 1036	HNO3	Groundwater	✔											
	23071811-037A	8/9/23 1228	HNO3	Groundwater	✔											
	23071811-038A	8/9/23 1412	HNO3	Groundwater	✔											
	23071811-039A	8/9/23 1433	HNO3	Groundwater	✔											
	23071811-040A	8/9/23 1453	HNO3	Groundwater	✔											
	23071811-041A	8/10/23 11:29	HNO3	Groundwater	✔											
	23071811-042A	8/9/23 1343	HNO3	Groundwater	✔											
	23071811-043A	8-11-23 1122	HNO3	Groundwater	✔											
	23071811-044A	8-11-23 1204	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8-16-23 1635		8-16-23 4:20
	8-16-23 5:15pm	Sina Wayne	8/16/23 1715

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | 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											
	23071811-045A	8·11·23 1051	HNO3	Groundwater	✔											
	23071811-046A	8/14/23 1543	HNO3	Groundwater	✔											
	23071811-047A	8·11·23 1241	HNO3	Groundwater	✔											
	23071811-048A	8·11·23 1013	HNO3	Groundwater	✔											
	23071811-049A	8/10/23 14:32	HNO3	Groundwater	✔											
	23071811-050A	8/10/23 14:58	HNO3	Groundwater	✔											
	23071811-051A	8/10/23 15:24	HNO3	Groundwater	✔											
	23071811-052A	Dry	HNO3	Groundwater	✔											
	23071811-053A	8/15/23 13:12	HNO3	Groundwater	✔											
	23071811-054A	Dry	HNO3	Groundwater	✔											
	23071811-055A	8/15/23 12:53	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8·16·23 1630		8·16·23 9:20
	8-16-23 5:15pm	Simon Wickham	8/16/23 1715

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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: J. Riley/B. Gillihan/J. Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 22/228 per standard GW methods.
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 23071811

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 34883 | 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											
	23071811-056A	8/10/23 13:22	HNO3	Groundwater	✔											
	23071811-057A	8/10/23 13:45	HNO3	Groundwater	✔											
	23071811-058A	8/15/23 10:35	HNO3	Groundwater	✔											
	23071811-059A	Dry	HNO3	Groundwater	✔											
	23071811-060A	8·14·23 1332	HNO3	Groundwater	✔											
	23071811-061A	8·9·23 1311	HNO3	Groundwater	✔											
	23071811-062A	Dry	HNO3	Groundwater	✔											
			HNO3	Groundwater												
			HNO3	Groundwater												
			HNO3	Groundwater												
			HNO3	Groundwater												

*Relinquished By	Date/Time	Received By	Date/Time
	8·16·23 1630		8·16·23 1720
	8/16/23 1815		8/16/23 1715

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/X/2116

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-51097-3
SDG Number: 23071811-3

Login Number: 51097
List Number: 1
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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?	True	
There are no discrepancies between the containers received and the COC.	False	Samples listed as Dry under Sample Date/Time were not received.
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 <6mm (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

Job ID: 160-51097-3
SDG: 23071811-3

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

Job ID: 160-51097-3
SOP-845-101
SDG: 23071811-3

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-51097-41	23071811-041A	Water	08/10/23 11:29	08/16/23 17:15
160-51097-42	23071811-042A	Water	08/09/23 13:43	08/16/23 17:15
160-51097-43	23071811-043A	Water	08/11/23 11:22	08/16/23 17:15
160-51097-44	23071811-044A	Water	08/11/23 12:09	08/16/23 17:15
160-51097-45	23071811-045A	Water	08/11/23 10:51	08/16/23 17:15
160-51097-46	23071811-046A	Water	08/14/23 15:43	08/16/23 17:15
160-51097-47	23071811-047A	Water	08/11/23 12:41	08/16/23 17:15
160-51097-48	23071811-048A	Water	08/11/23 10:13	08/16/23 17:15
160-51097-49	23071811-049A	Water	08/10/23 14:32	08/16/23 17:15
160-51097-50	23071811-050A	Water	08/10/23 14:58	08/16/23 17:15
160-51097-51	23071811-051A	Water	08/10/23 15:24	08/16/23 17:15
160-51097-53	23071811-053A	Water	08/15/23 13:12	08/16/23 17:15
160-51097-55	23071811-055A	Water	08/15/23 12:53	08/16/23 17:15
160-51097-56	23071811-056A	Water	08/10/23 13:22	08/16/23 17:15
160-51097-57	23071811-057A	Water	08/10/23 13:45	08/16/23 17:15
160-51097-58	23071811-058A	Water	08/15/23 10:35	08/16/23 17:15
160-51097-60	23071811-060A	Water	08/14/23 14:32	08/16/23 17:15
160-51097-61	23071811-061A	Water	08/09/23 11:13	08/16/23 17:15

Client Sample Results

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

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-041A
Date Collected: 08/10/23 11:29
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-41
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	0.111	U	0.114	0.114	1.00	0.179	pCi/L	08/23/23 10:03	09/14/23 07:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.2*		*30 - 110*	*08/23/23 10:03*	*09/14/23 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	0.305	U	0.354	0.355	1.00	0.581	pCi/L	08/23/23 10:07	09/11/23 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.2*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:56*	*1*
Y Carrier	*83.4*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:56*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.416	U	0.372	0.373	5.00	0.581	pCi/L		09/18/23 13:01	1

Client Sample ID: 23071811-042A
Date Collected: 08/09/23 13:43
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-42
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	0.0651	U	0.0836	0.0838	1.00	0.138	pCi/L	08/23/23 10:03	09/14/23 07:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*08/23/23 10:03*	*09/14/23 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	0.596	U	0.399	0.403	1.00	0.599	pCi/L	08/23/23 10:07	09/11/23 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:56*	*1*
Y Carrier	*87.5*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:56*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.662**		0.408	0.412	5.00	0.599	pCi/L		09/18/23 13:01	1

Client Sample Results

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

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-043A
Date Collected: 08/11/23 11:22
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-43
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	-0.00227	U	0.0825	0.0825	1.00	0.171	pCi/L	08/23/23 10:03	09/14/23 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.431	U	0.353	0.355	1.00	0.549	pCi/L	08/23/23 10:07	09/11/23 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:57*	*1*
Y Carrier	*86.7*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:57*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.431	U	0.363	0.364	5.00	0.549	pCi/L		09/18/23 13:01	1

Client Sample ID: 23071811-044A
Date Collected: 08/11/23 12:09
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-44
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	0.236	U	0.241	0.241	1.00	0.378	pCi/L	08/23/23 10:03	09/14/23 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.7*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.160	U G	0.698	0.698	1.00	1.28	pCi/L	08/23/23 10:07	09/11/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.7*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:58*	*1*
Y Carrier	*83.7*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.396	U	0.738	0.738	5.00	1.28	pCi/L		09/18/23 13:01	1

Client Sample Results

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

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-045A
Date Collected: 08/11/23 10:51
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-45
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	0.318		0.172	0.174	1.00	0.225	pCi/L	08/23/23 10:03	09/14/23 07:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:42*	*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	0.666		0.427	0.431	1.00	0.631	pCi/L	08/23/23 10:07	09/11/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:58*	*1*
Y Carrier	*82.2*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.984		0.460	0.465	5.00	0.631	pCi/L		09/18/23 13:01	1

Client Sample ID: 23071811-046A
Date Collected: 08/14/23 15:43
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-46
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	0.152	U	0.132	0.133	1.00	0.201	pCi/L	08/23/23 10:03	09/14/23 07:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.2*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:42*	*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	0.958		0.401	0.410	1.00	0.512	pCi/L	08/23/23 10:07	09/11/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.2*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:58*	*1*
Y Carrier	*90.5*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.11		0.422	0.431	5.00	0.512	pCi/L		09/18/23 13:01	1

Client Sample Results

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

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-047A
Date Collected: 08/11/23 12:41
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-47
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	0.129	U	0.122	0.123	1.00	0.190	pCi/L	08/23/23 10:03	09/14/23 07:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:42*	*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	0.469	U	0.335	0.338	1.00	0.501	pCi/L	08/23/23 10:07	09/11/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:58*	*1*
Y Carrier	*88.2*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.598**		0.357	0.360	5.00	0.501	pCi/L		09/18/23 13:01	1

Client Sample ID: 23071811-048A
Date Collected: 08/11/23 10:13
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-48
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	-0.0202	U	0.110	0.110	1.00	0.226	pCi/L	08/23/23 10:03	09/14/23 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.417	U	0.373	0.375	1.00	0.588	pCi/L	08/23/23 10:07	09/11/23 11:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:58*	*1*
Y Carrier	*85.2*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:58*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.417	U	0.389	0.391	5.00	0.588	pCi/L		09/18/23 13:01	1

Client Sample Results

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

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-049A
Date Collected: 08/10/23 14:32
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-49
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	**0.231**		0.127	0.129	1.00	0.151	pCi/L	08/23/23 10:03	09/14/23 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.438	U	0.427	0.429	1.00	0.684	pCi/L	08/23/23 10:07	09/11/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:03*	*1*
Y Carrier	*74.4*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:03*	*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	0.669	U	0.445	0.448	5.00	0.684	pCi/L		09/18/23 13:01	1

Client Sample ID: 23071811-050A
Date Collected: 08/10/23 14:58
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-50
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	0.152	U	0.113	0.114	1.00	0.158	pCi/L	08/23/23 10:03	09/14/23 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.461	U	0.365	0.367	1.00	0.565	pCi/L	08/23/23 10:07	09/11/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:03*	*1*
Y Carrier	*85.6*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:03*	*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	**0.613**		0.382	0.384	5.00	0.565	pCi/L		09/18/23 13:01	1

Client Sample Results

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

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-051A
Date Collected: 08/10/23 15:24
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-51
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	0.0210	U	0.0814	0.0814	1.00	0.160	pCi/L	08/23/23 10:03	09/14/23 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.2*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.154	U	0.379	0.379	1.00	0.663	pCi/L	08/23/23 10:07	09/11/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.2*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:03*	*1*
Y Carrier	*87.5*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:03*	*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	0.175	U	0.388	0.388	5.00	0.663	pCi/L		09/18/23 13:01	1

Client Sample ID: 23071811-053A
Date Collected: 08/15/23 13:12
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-53
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	0.163	U	0.186	0.186	1.00	0.299	pCi/L	08/23/23 10:03	09/14/23 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*57.9*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.516	U G	0.653	0.654	1.00	1.08	pCi/L	08/23/23 10:07	09/11/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*57.9*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:03*	*1*
Y Carrier	*85.6*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:03*	*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	0.679	U	0.679	0.680	5.00	1.08	pCi/L		09/18/23 13:01	1

Client Sample Results

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

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-055A
Date Collected: 08/15/23 12:53
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-55
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	0.114	U	0.163	0.164	1.00	0.277	pCi/L	08/23/23 10:03	09/14/23 07:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:42*	*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	**0.918**		0.557	0.563	1.00	0.818	pCi/L	08/23/23 10:07	09/11/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.7*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:03*	*1*
Y Carrier	*89.3*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:03*	*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	**1.03**		0.580	0.586	5.00	0.818	pCi/L		09/18/23 13:01	1

Client Sample ID: 23071811-056A
Date Collected: 08/10/23 13:22
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-56
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	0.0225	U	0.0997	0.0998	1.00	0.189	pCi/L	08/23/23 10:03	09/14/23 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.573	U	0.385	0.389	1.00	0.576	pCi/L	08/23/23 10:07	09/11/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:03*	*1*
Y Carrier	*83.4*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:03*	*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	**0.595**		0.398	0.402	5.00	0.576	pCi/L		09/18/23 13:01	1

Client Sample ID: 23071811-057A
Date Collected: 08/10/23 13:45
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-57
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	0.0352	U	0.0907	0.0908	1.00	0.169	pCi/L	08/23/23 10:03	09/14/23 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0721	U	0.305	0.305	1.00	0.555	pCi/L	08/23/23 10:07	09/11/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.7*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:04*	*1*
Y Carrier	*88.2*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.107	U	0.318	0.318	5.00	0.555	pCi/L		09/18/23 13:01	1

Client Sample ID: 23071811-058A
Date Collected: 08/15/23 10:35
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-58
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	-0.0117	U	0.0816	0.0816	1.00	0.175	pCi/L	08/23/23 10:03	09/14/23 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.167	U	0.357	0.357	1.00	0.620	pCi/L	08/23/23 10:07	09/11/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:04*	*1*
Y Carrier	*87.1*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.167	U	0.366	0.366	5.00	0.620	pCi/L		09/18/23 13:01	1

Client Sample Results

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

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-060A
Date Collected: 08/14/23 14:32
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-60
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	0.122	U	0.122	0.122	1.00	0.191	pCi/L	08/23/23 10:03	09/14/23 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.0*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.432	U	0.384	0.386	1.00	0.605	pCi/L	08/23/23 10:07	09/11/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.0*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:04*	*1*
Y Carrier	*86.4*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.554	U	0.403	0.405	5.00	0.605	pCi/L		09/18/23 13:01	1

Client Sample ID: 23071811-061A
Date Collected: 08/09/23 11:13
Date Received: 08/16/23 17:15

Lab Sample ID: 160-51097-61
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	0.0299	U	0.0965	0.0966	1.00	0.182	pCi/L	08/23/23 10:03	09/14/23 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.7*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:43*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.419	U	0.450	0.452	1.00	0.734	pCi/L	08/23/23 10:07	09/11/23 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.7*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:04*	*1*
Y Carrier	*86.7*		*30 - 110*	*08/23/23 10:07*	*09/11/23 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.449	U	0.460	0.462	5.00	0.734	pCi/L		09/18/23 13:01	1

QC Sample Results

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

Job ID: 160-51097-3
SDG: 23071811-3

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-625151/1-A
Matrix: Water
Analysis Batch: 628146

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 625151

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01475	U	0.0678	0.0678	1.00	0.153	pCi/L	08/23/23 10:03	09/14/23 07:34	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*08/23/23 10:03*	*09/14/23 07:34*	*1*

Lab Sample ID: LCS 160-625151/2-A
Matrix: Water
Analysis Batch: 628146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 625151

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.62		1.17	1.00	0.163	pCi/L	94	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.7*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-625153/1-A
Matrix: Water
Analysis Batch: 627474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 625153

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5370		0.352	0.356	1.00	0.520	pCi/L	08/23/23 10:07	09/11/23 11:55	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.7*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:55*	*1*
Y Carrier	*85.6*		*30 - 110*	*08/23/23 10:07*	*09/11/23 11:55*	*1*

Lab Sample ID: LCS 160-625153/2-A
Matrix: Water
Analysis Batch: 627474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 625153

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			7.88	9.382		1.26	1.00	0.504	pCi/L	119	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.7*		*30 - 110*
Y Carrier	*87.9*		*30 - 110*

Rad

Prep Batch: 625151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51097-41	23071811-041A	Total/NA	Water	PrecSep-21	
160-51097-42	23071811-042A	Total/NA	Water	PrecSep-21	
160-51097-43	23071811-043A	Total/NA	Water	PrecSep-21	
160-51097-44	23071811-044A	Total/NA	Water	PrecSep-21	
160-51097-45	23071811-045A	Total/NA	Water	PrecSep-21	
160-51097-46	23071811-046A	Total/NA	Water	PrecSep-21	
160-51097-47	23071811-047A	Total/NA	Water	PrecSep-21	
160-51097-48	23071811-048A	Total/NA	Water	PrecSep-21	
160-51097-49	23071811-049A	Total/NA	Water	PrecSep-21	
160-51097-50	23071811-050A	Total/NA	Water	PrecSep-21	
160-51097-51	23071811-051A	Total/NA	Water	PrecSep-21	
160-51097-53	23071811-053A	Total/NA	Water	PrecSep-21	
160-51097-55	23071811-055A	Total/NA	Water	PrecSep-21	
160-51097-56	23071811-056A	Total/NA	Water	PrecSep-21	
160-51097-57	23071811-057A	Total/NA	Water	PrecSep-21	
160-51097-58	23071811-058A	Total/NA	Water	PrecSep-21	
160-51097-60	23071811-060A	Total/NA	Water	PrecSep-21	
160-51097-61	23071811-061A	Total/NA	Water	PrecSep-21	
MB 160-625151/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-625151/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 625153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-51097-41	23071811-041A	Total/NA	Water	PrecSep_0	
160-51097-42	23071811-042A	Total/NA	Water	PrecSep_0	
160-51097-43	23071811-043A	Total/NA	Water	PrecSep_0	
160-51097-44	23071811-044A	Total/NA	Water	PrecSep_0	
160-51097-45	23071811-045A	Total/NA	Water	PrecSep_0	
160-51097-46	23071811-046A	Total/NA	Water	PrecSep_0	
160-51097-47	23071811-047A	Total/NA	Water	PrecSep_0	
160-51097-48	23071811-048A	Total/NA	Water	PrecSep_0	
160-51097-49	23071811-049A	Total/NA	Water	PrecSep_0	
160-51097-50	23071811-050A	Total/NA	Water	PrecSep_0	
160-51097-51	23071811-051A	Total/NA	Water	PrecSep_0	
160-51097-53	23071811-053A	Total/NA	Water	PrecSep_0	
160-51097-55	23071811-055A	Total/NA	Water	PrecSep_0	
160-51097-56	23071811-056A	Total/NA	Water	PrecSep_0	
160-51097-57	23071811-057A	Total/NA	Water	PrecSep_0	
160-51097-58	23071811-058A	Total/NA	Water	PrecSep_0	
160-51097-60	23071811-060A	Total/NA	Water	PrecSep_0	
160-51097-61	23071811-061A	Total/NA	Water	PrecSep_0	
MB 160-625153/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-625153/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-51097-3
SDG: 23071811-3

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
160-51097-41	23071811-041A	85.2
160-51097-42	23071811-042A	87.2
160-51097-43	23071811-043A	91.5
160-51097-44	23071811-044A	73.7
160-51097-45	23071811-045A	81.5
160-51097-46	23071811-046A	86.2
160-51097-47	23071811-047A	87.2
160-51097-48	23071811-048A	83.5
160-51097-49	23071811-049A	86.0
160-51097-50	23071811-050A	92.0
160-51097-51	23071811-051A	84.2
160-51097-53	23071811-053A	57.9
160-51097-55	23071811-055A	80.7
160-51097-56	23071811-056A	92.0
160-51097-57	23071811-057A	83.7
160-51097-58	23071811-058A	87.7
160-51097-60	23071811-060A	82.0
160-51097-61	23071811-061A	86.7
LCS 160-625151/2-A	Lab Control Sample	96.7
MB 160-625151/1-A	Method Blank	91.7

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-51097-41	23071811-041A	85.2	83.4
160-51097-42	23071811-042A	87.2	87.5
160-51097-43	23071811-043A	91.5	86.7
160-51097-44	23071811-044A	73.7	83.7
160-51097-45	23071811-045A	81.5	82.2
160-51097-46	23071811-046A	86.2	90.5
160-51097-47	23071811-047A	87.2	88.2
160-51097-48	23071811-048A	83.5	85.2
160-51097-49	23071811-049A	86.0	74.4
160-51097-50	23071811-050A	92.0	85.6
160-51097-51	23071811-051A	84.2	87.5
160-51097-53	23071811-053A	57.9	85.6
160-51097-55	23071811-055A	80.7	89.3
160-51097-56	23071811-056A	92.0	83.4
160-51097-57	23071811-057A	83.7	88.2
160-51097-58	23071811-058A	87.7	87.1
160-51097-60	23071811-060A	82.0	86.4
160-51097-61	23071811-061A	86.7	86.7
LCS 160-625153/2-A	Lab Control Sample	96.7	87.9
MB 160-625153/1-A	Method Blank	91.7	85.6

Tracer/Carrier Summary

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

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 3, 2023

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G301	UA	E002	Antimony, total	mg/L	11/20/15 - 08/09/23	16	100	All ND - Last	0.001	0.003
G301	UA	E002	Arsenic, total	mg/L	11/20/15 - 08/09/23	21	62	CI around median	0.001	0.00430
G301	UA	E002	Barium, total	mg/L	11/20/15 - 08/09/23	21	0	CB around T-S line	-0.0101	0.120
G301	UA	E002	Beryllium, total	mg/L	11/20/15 - 08/09/23	20	100	All ND - Last	0.001	0.001
G301	UA	E002	Boron, total	mg/L	11/20/15 - 08/09/23	22	0	CB around linear reg	1.82	3.20
G301	UA	E002	Cadmium, total	mg/L	11/20/15 - 08/09/23	21	95	CI around median	0.001	0.001
G301	UA	E002	Chloride, total	mg/L	11/20/15 - 08/09/23	22	0	CB around linear reg	8.44	120
G301	UA	E002	Chromium, total	mg/L	11/20/15 - 08/09/23	21	62	CI around median	0.004	0.0110
G301	UA	E002	Cobalt, total	mg/L	11/20/15 - 08/09/23	21	33	CB around T-S line	0.000466	0.00560
G301	UA	E002	Fluoride, total	mg/L	11/20/15 - 08/09/23	22	36	CI around geomean	0.264	0.411
G301	UA	E002	Lead, total	mg/L	11/20/15 - 08/09/23	21	48	CI around median	0.001	0.00630
G301	UA	E002	Lithium, total	mg/L	11/20/15 - 08/09/23	21	62	CB around T-S line	0.01	0.0130
G301	UA	E002	Mercury, total	mg/L	11/20/15 - 08/09/23	16	94	CI around median	0.0002	0.00130
G301	UA	E002	Molybdenum, total	mg/L	11/20/15 - 08/09/23	21	100	All ND - Last	0.0015	0.00150
G301	UA	E002	pH (field)	SU	11/20/15 - 08/09/23	22	0	CI around mean	6.7/6.9	6.6/7.3
G301	UA	E002	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/09/23	21	0	CI around mean	0.552	1.60
G301	UA	E002	Selenium, total	mg/L	11/20/15 - 08/09/23	20	100	All ND - Last	0.001	0.00150
G301	UA	E002	Sulfate, total	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	652	367
G301	UA	E002	Thallium, total	mg/L	11/20/15 - 08/09/23	16	100	All ND - Last	0.002	0.00100
G301	UA	E002	Total Dissolved Solids	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	1,080	1,010
G302	UA	E002	Antimony, total	mg/L	11/20/15 - 08/09/23	16	100	All ND - Last	0.001	0.003
G302	UA	E002	Arsenic, total	mg/L	11/20/15 - 08/09/23	21	24	CI around geomean	0.00119	0.00430
G302	UA	E002	Barium, total	mg/L	11/20/15 - 08/09/23	21	0	CI around geomean	0.0278	0.120
G302	UA	E002	Beryllium, total	mg/L	11/20/15 - 08/09/23	20	100	All ND - Last	0.001	0.001
G302	UA	E002	Boron, total	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	1.6	3.20
G302	UA	E002	Cadmium, total	mg/L	11/20/15 - 08/09/23	21	100	All ND - Last	0.001	0.001
G302	UA	E002	Chloride, total	mg/L	11/20/15 - 08/09/23	22	4	CI around mean	11.1	120

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G302	UA	E002	Chromium, total	mg/L	11/20/15 - 08/09/23	21	67	CI around median	0.004	0.0110
G302	UA	E002	Cobalt, total	mg/L	11/20/15 - 08/09/23	21	29	CI around median	0.002	0.00560
G302	UA	E002	Fluoride, total	mg/L	11/20/15 - 08/09/23	22	36	CI around median	0.25	0.411
G302	UA	E002	Lead, total	mg/L	11/20/15 - 08/09/23	21	57	CI around median	0.001	0.00630
G302	UA	E002	Lithium, total	mg/L	11/20/15 - 08/09/23	21	33	CI around mean	0.0128	0.0130
G302	UA	E002	Mercury, total	mg/L	11/20/15 - 08/09/23	16	94	CI around median	0.0002	0.00130
G302	UA	E002	Molybdenum, total	mg/L	11/20/15 - 08/09/23	21	48	CI around median	0.001	0.00150
G302	UA	E002	pH (field)	SU	11/20/15 - 08/09/23	22	0	CI around mean	6.8/7.0	6.6/7.3
G302	UA	E002	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/09/23	21	0	CI around geomean	0.362	1.60
G302	UA	E002	Selenium, total	mg/L	11/20/15 - 08/09/23	20	95	CI around median	0.001	0.00150
G302	UA	E002	Sulfate, total	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	368	367
G302	UA	E002	Thallium, total	mg/L	11/20/15 - 08/09/23	16	100	All ND - Last	0.002	0.00100
G302	UA	E002	Total Dissolved Solids	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	952	1,010
G303	UA	E002	Antimony, total	mg/L	11/20/15 - 08/09/23	16	100	All ND - Last	0.001	0.003
G303	UA	E002	Arsenic, total	mg/L	11/20/15 - 08/09/23	21	5	CB around linear reg	-0.00318	0.00430
G303	UA	E002	Barium, total	mg/L	11/20/15 - 08/09/23	21	0	CI around median	0.015	0.120
G303	UA	E002	Beryllium, total	mg/L	11/20/15 - 08/09/23	20	100	All ND - Last	0.001	0.001
G303	UA	E002	Boron, total	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	1.73	3.20
G303	UA	E002	Cadmium, total	mg/L	11/20/15 - 08/09/23	21	100	All ND - Last	0.001	0.001
G303	UA	E002	Chloride, total	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	27.9	120
G303	UA	E002	Chromium, total	mg/L	11/20/15 - 08/09/23	21	90	CI around median	0.004	0.0110
G303	UA	E002	Cobalt, total	mg/L	11/20/15 - 08/09/23	21	33	CI around geomean	0.00235	0.00560
G303	UA	E002	Fluoride, total	mg/L	11/20/15 - 08/09/23	22	23	CI around mean	0.263	0.411
G303	UA	E002	Lead, total	mg/L	11/20/15 - 08/09/23	21	86	CI around median	0.001	0.00630
G303	UA	E002	Lithium, total	mg/L	11/20/15 - 08/09/23	21	0	CB around linear reg	0.0117	0.0130
G303	UA	E002	Mercury, total	mg/L	11/20/15 - 08/09/23	16	88	CI around median	0.0002	0.00130
G303	UA	E002	Molybdenum, total	mg/L	11/20/15 - 08/09/23	21	0	CB around linear reg	0.00107	0.00150

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G303	UA	E002	pH (field)	SU	11/20/15 - 08/09/23	22	0	CI around mean	6.8/7.0	6.6/7.3
G303	UA	E002	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/09/23	21	0	CI around mean	0.572	1.60
G303	UA	E002	Selenium, total	mg/L	11/20/15 - 08/09/23	20	100	All ND - Last	0.001	0.00150
G303	UA	E002	Sulfate, total	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	708	367
G303	UA	E002	Thallium, total	mg/L	11/20/15 - 08/09/23	16	100	All ND - Last	0.002	0.00100
G303	UA	E002	Total Dissolved Solids	mg/L	11/20/15 - 08/09/23	22	0	CI around mean	1,510	1,010
G305	UA	E002	Antimony, total	mg/L	05/19/16 - 08/10/23	8	100	All ND - Last	0.001	0.003
G305	UA	E002	Arsenic, total	mg/L	05/19/16 - 08/10/23	8	50	CI around median	0.001	0.00430
G305	UA	E002	Barium, total	mg/L	05/19/16 - 08/10/23	8	0	CI around mean	0.0236	0.120
G305	UA	E002	Beryllium, total	mg/L	05/19/16 - 08/10/23	8	100	All ND - Last	0.001	0.001
G305	UA	E002	Boron, total	mg/L	05/19/16 - 08/10/23	8	0	CI around mean	1.93	3.20
G305	UA	E002	Cadmium, total	mg/L	05/19/16 - 08/10/23	8	100	All ND - Last	0.001	0.001
G305	UA	E002	Chloride, total	mg/L	05/19/16 - 08/10/23	8	0	CI around geomean	19.8	120
G305	UA	E002	Chromium, total	mg/L	05/19/16 - 08/10/23	8	50	CI around mean	-0.00132	0.0110
G305	UA	E002	Cobalt, total	mg/L	05/19/16 - 08/10/23	8	62	CI around median	0.001	0.00560
G305	UA	E002	Fluoride, total	mg/L	05/19/16 - 08/10/23	8	0	CI around mean	0.323	0.411
G305	UA	E002	Lead, total	mg/L	05/19/16 - 08/10/23	8	12	CI around geomean	0.000823	0.00630
G305	UA	E002	Lithium, total	mg/L	05/19/16 - 08/10/23	8	50	CI around mean	0.00667	0.0130
G305	UA	E002	Mercury, total	mg/L	05/19/16 - 08/10/23	8	100	All ND - Last	0.0002	0.00130
G305	UA	E002	Molybdenum, total	mg/L	05/19/16 - 08/10/23	8	38	CI around mean	0.000776	0.00150
G305	UA	E002	pH (field)	SU	05/19/16 - 08/10/23	8	0	CI around mean	7.0/7.4	6.6/7.3
G305	UA	E002	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 08/10/23	8	0	CI around mean	0.443	1.60
G305	UA	E002	Selenium, total	mg/L	05/19/16 - 08/10/23	8	100	All ND - Last	0.001	0.00150
G305	UA	E002	Sulfate, total	mg/L	05/19/16 - 08/10/23	8	0	CI around mean	801	367
G305	UA	E002	Thallium, total	mg/L	05/19/16 - 08/10/23	8	100	All ND - Last	0.002	0.00100
G305	UA	E002	Total Dissolved Solids	mg/L	05/19/16 - 08/10/23	8	0	CI around mean	1,320	1,010
G307D	LCU	E002	Antimony, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.001	0.003

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G307D	LCU	E002	Arsenic, total	mg/L	03/29/21 - 08/10/23	8	25	CI around geomean	0.000772	0.00430
G307D	LCU	E002	Barium, total	mg/L	03/29/21 - 08/10/23	8	0	CB around linear reg	0.0154	0.120
G307D	LCU	E002	Beryllium, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.001	0.001
G307D	LCU	E002	Boron, total	mg/L	03/29/21 - 08/10/23	8	0	CI around geomean	1.2	3.20
G307D	LCU	E002	Cadmium, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.001	0.001
G307D	LCU	E002	Chloride, total	mg/L	03/29/21 - 08/10/23	7	0	CI around mean	13.8	120
G307D	LCU	E002	Chromium, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.0015	0.0110
G307D	LCU	E002	Cobalt, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.001	0.00560
G307D	LCU	E002	Fluoride, total	mg/L	03/29/21 - 08/10/23	7	0	CI around mean	0.492	0.411
G307D	LCU	E002	Lead, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.001	0.00630
G307D	LCU	E002	Lithium, total	mg/L	03/29/21 - 08/10/23	8	88	CI around median	0.0032	0.0130
G307D	LCU	E002	Mercury, total	mg/L	03/29/21 - 08/10/23	8	88	CI around median	0.0002	0.00130
G307D	LCU	E002	Molybdenum, total	mg/L	03/29/21 - 08/10/23	8	0	CI around mean	0.00589	0.00150
G307D	LCU	E002	pH (field)	SU	03/29/21 - 08/10/23	8	0	CI around mean	7.2/7.3	6.6/7.3
G307D	LCU	E002	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/10/23	9	0	CI around mean	0.176	1.60
G307D	LCU	E002	Selenium, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.001	0.00150
G307D	LCU	E002	Sulfate, total	mg/L	03/29/21 - 08/10/23	7	0	CI around mean	602	367
G307D	LCU	E002	Thallium, total	mg/L	03/29/21 - 08/10/23	8	100	All ND - Last	0.002	0.00100
G307D	LCU	E002	Total Dissolved Solids	mg/L	03/29/21 - 08/10/23	7	0	CI around mean	1,090	1,010
G308	UA	E002	Antimony, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.001	0.003
G308	UA	E002	Arsenic, total	mg/L	03/29/21 - 08/10/23	11	91	CI around median	0.001	0.00430
G308	UA	E002	Barium, total	mg/L	03/29/21 - 08/10/23	11	0	CI around mean	0.0204	0.120
G308	UA	E002	Beryllium, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.001	0.001
G308	UA	E002	Boron, total	mg/L	03/29/21 - 08/10/23	11	0	CI around mean	2.44	3.20
G308	UA	E002	Cadmium, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.001	0.001
G308	UA	E002	Chloride, total	mg/L	03/29/21 - 08/10/23	11	9	CI around median	14	120
G308	UA	E002	Chromium, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.0015	0.0110

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G308	UA	E002	Cobalt, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.001	0.00560
G308	UA	E002	Fluoride, total	mg/L	03/29/21 - 08/10/23	11	9	CI around geomean	0.491	0.411
G308	UA	E002	Lead, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.001	0.00630
G308	UA	E002	Lithium, total	mg/L	03/29/21 - 08/10/23	11	91	CI around median	0.02	0.0130
G308	UA	E002	Mercury, total	mg/L	03/29/21 - 08/10/23	11	91	CI around median	0.0002	0.00130
G308	UA	E002	Molybdenum, total	mg/L	03/29/21 - 08/10/23	11	9	CI around median	0.0012	0.00150
G308	UA	E002	pH (field)	SU	03/29/21 - 08/10/23	11	0	CI around mean	7.2/7.3	6.6/7.3
G308	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/10/23	10	0	CI around mean	0.0822	1.60
G308	UA	E002	Selenium, total	mg/L	03/29/21 - 08/10/23	11	91	CI around median	0.001	0.00150
G308	UA	E002	Sulfate, total	mg/L	03/29/21 - 08/10/23	11	0	CI around mean	1,020	367
G308	UA	E002	Thallium, total	mg/L	03/29/21 - 08/10/23	11	100	All ND - Last	0.002	0.00100
G308	UA	E002	Total Dissolved Solids	mg/L	03/29/21 - 08/10/23	11	0	CI around mean	1,800	1,010
G310	UA	E002	Antimony, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.001	0.003
G310	UA	E002	Arsenic, total	mg/L	03/29/21 - 08/09/23	11	91	CI around median	0.001	0.00430
G310	UA	E002	Barium, total	mg/L	03/29/21 - 08/09/23	11	0	CI around mean	0.0148	0.120
G310	UA	E002	Beryllium, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.001	0.001
G310	UA	E002	Boron, total	mg/L	03/29/21 - 08/09/23	11	0	CI around mean	1.68	3.20
G310	UA	E002	Cadmium, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.001	0.001
G310	UA	E002	Chloride, total	mg/L	03/29/21 - 08/09/23	11	0	CI around mean	16.1	120
G310	UA	E002	Chromium, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.0015	0.0110
G310	UA	E002	Cobalt, total	mg/L	03/29/21 - 08/09/23	11	91	CI around median	0.002	0.00560
G310	UA	E002	Fluoride, total	mg/L	03/29/21 - 08/09/23	11	18	CI around mean	0.262	0.411
G310	UA	E002	Lead, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.001	0.00630
G310	UA	E002	Lithium, total	mg/L	03/29/21 - 08/09/23	11	91	CI around median	0.02	0.0130
G310	UA	E002	Mercury, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.0002	0.00130
G310	UA	E002	Molybdenum, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.0015	0.00150
G310	UA	E002	pH (field)	SU	03/29/21 - 08/09/23	11	0	CI around median	7.0/7.2	6.6/7.3

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G310	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/09/23	10	0	CI around mean	0.0482	1.60
G310	UA	E002	Selenium, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.001	0.00150
G310	UA	E002	Sulfate, total	mg/L	03/29/21 - 08/09/23	11	0	CB around T-S line	-6,390	367
G310	UA	E002	Thallium, total	mg/L	03/29/21 - 08/09/23	11	100	All ND - Last	0.002	0.00100
G310	UA	E002	Total Dissolved Solids	mg/L	03/29/21 - 08/09/23	11	0	CI around median	1,100	1,010
G312	UA	E002	Antimony, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.001	0.003
G312	UA	E002	Arsenic, total	mg/L	03/30/21 - 08/09/23	10	90	CI around median	0.001	0.00430
G312	UA	E002	Barium, total	mg/L	03/30/21 - 08/09/23	10	0	CI around mean	0.0243	0.120
G312	UA	E002	Beryllium, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.001	0.001
G312	UA	E002	Boron, total	mg/L	03/30/21 - 08/09/23	10	0	CI around geomean	1.38	3.20
G312	UA	E002	Cadmium, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.001	0.001
G312	UA	E002	Chloride, total	mg/L	03/30/21 - 08/09/23	10	0	CI around mean	21.6	120
G312	UA	E002	Chromium, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.0015	0.0110
G312	UA	E002	Cobalt, total	mg/L	03/30/21 - 08/09/23	10	30	CI around mean	0.00222	0.00560
G312	UA	E002	Fluoride, total	mg/L	03/30/21 - 08/09/23	10	80	CI around median	0.25	0.411
G312	UA	E002	Lead, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.001	0.00630
G312	UA	E002	Lithium, total	mg/L	03/30/21 - 08/09/23	10	70	CI around median	0.02	0.0130
G312	UA	E002	Mercury, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.0002	0.00130
G312	UA	E002	Molybdenum, total	mg/L	03/30/21 - 08/09/23	10	90	CI around median	0.001	0.00150
G312	UA	E002	pH (field)	SU	03/30/21 - 08/09/23	10	0	CI around median	6.3/6.5	6.6/7.3
G312	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/09/23	9	0	CI around mean	0.252	1.60
G312	UA	E002	Selenium, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.001	0.00150
G312	UA	E002	Sulfate, total	mg/L	03/30/21 - 08/09/23	10	0	CI around mean	721	367
G312	UA	E002	Thallium, total	mg/L	03/30/21 - 08/09/23	10	100	All ND - Last	0.002	0.00100
G312	UA	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/09/23	10	0	CB around linear reg	1,420	1,010
G313	UA	E002	Antimony, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.003
G313	UA	E002	Arsenic, total	mg/L	03/30/21 - 08/09/23	11	82	CI around median	0.001	0.00430

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G313	UA	E002	Barium, total	mg/L	03/30/21 - 08/09/23	11	0	CB around linear reg	0.014	0.120
G313	UA	E002	Beryllium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.001
G313	UA	E002	Boron, total	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	3.29	3.20
G313	UA	E002	Cadmium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.001
G313	UA	E002	Chloride, total	mg/L	03/30/21 - 08/09/23	11	9	CI around median	22	120
G313	UA	E002	Chromium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.0015	0.0110
G313	UA	E002	Cobalt, total	mg/L	03/30/21 - 08/09/23	11	82	CI around median	0.002	0.00560
G313	UA	E002	Fluoride, total	mg/L	03/30/21 - 08/09/23	11	9	CI around mean	0.227	0.411
G313	UA	E002	Lead, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.00630
G313	UA	E002	Lithium, total	mg/L	03/30/21 - 08/09/23	11	46	CI around median	0.02	0.0130
G313	UA	E002	Mercury, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.0002	0.00130
G313	UA	E002	Molybdenum, total	mg/L	03/30/21 - 08/09/23	11	18	CI around mean	0.00102	0.00150
G313	UA	E002	pH (field)	SU	03/30/21 - 08/09/23	11	0	CI around mean	6.8/7.0	6.6/7.3
G313	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/09/23	10	0	CI around mean	0.225	1.60
G313	UA	E002	Selenium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.00150
G313	UA	E002	Sulfate, total	mg/L	03/30/21 - 08/09/23	11	0	CB around T-S line	-517	367
G313	UA	E002	Thallium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.002	0.00100
G313	UA	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	1,520	1,010
G314	LCU	E002	Antimony, total	mg/L	03/30/21 - 08/09/23	11	91	CI around median	0.003	0.003
G314	LCU	E002	Arsenic, total	mg/L	03/30/21 - 08/09/23	11	73	CI around median	0.001	0.00430
G314	LCU	E002	Barium, total	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	0.0184	0.120
G314	LCU	E002	Beryllium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.001
G314	LCU	E002	Boron, total	mg/L	03/30/21 - 08/09/23	11	0	CI around geomean	0.134	3.20
G314	LCU	E002	Cadmium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.001
G314	LCU	E002	Chloride, total	mg/L	03/30/21 - 08/09/23	11	0	CI around median	30	120
G314	LCU	E002	Chromium, total	mg/L	03/30/21 - 08/09/23	11	91	CI around median	0.004	0.0110
G314	LCU	E002	Cobalt, total	mg/L	03/30/21 - 08/09/23	11	9	CI around mean	0.00334	0.00560

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G314	LCU	E002	Fluoride, total	mg/L	03/30/21 - 08/09/23	11	91	CI around median	0.25	0.411
G314	LCU	E002	Lead, total	mg/L	03/30/21 - 08/09/23	11	82	CI around median	0.001	0.00630
G314	LCU	E002	Lithium, total	mg/L	03/30/21 - 08/09/23	11	91	CI around median	0.02	0.0130
G314	LCU	E002	Mercury, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.0002	0.00130
G314	LCU	E002	Molybdenum, total	mg/L	03/30/21 - 08/09/23	11	0	CB around linear reg	-0.00436	0.00150
G314	LCU	E002	pH (field)	SU	03/30/21 - 08/09/23	11	0	CI around mean	6.5/6.8	6.6/7.3
G314	LCU	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/09/23	10	0	CI around mean	0.511	1.60
G314	LCU	E002	Selenium, total	mg/L	03/30/21 - 08/09/23	11	82	CI around median	0.001	0.00150
G314	LCU	E002	Sulfate, total	mg/L	03/30/21 - 08/09/23	11	0	CI around median	2,000	367
G314	LCU	E002	Thallium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.002	0.00100
G314	LCU	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/09/23	11	0	CI around median	3,400	1,010
G314D	DA	E002	Antimony, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.001	0.003
G314D	DA	E002	Arsenic, total	mg/L	03/30/21 - 08/09/23	8	50	CI around median	0.001	0.00430
G314D	DA	E002	Barium, total	mg/L	03/30/21 - 08/09/23	8	0	CI around mean	0.0287	0.120
G314D	DA	E002	Beryllium, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.001	0.001
G314D	DA	E002	Boron, total	mg/L	03/30/21 - 08/09/23	8	0	CI around mean	0.144	3.20
G314D	DA	E002	Cadmium, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.001	0.001
G314D	DA	E002	Chloride, total	mg/L	03/30/21 - 08/09/23	7	0	CI around mean	45.6	120
G314D	DA	E002	Chromium, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.0015	0.0110
G314D	DA	E002	Cobalt, total	mg/L	03/30/21 - 08/09/23	8	75	CI around median	0.002	0.00560
G314D	DA	E002	Fluoride, total	mg/L	03/30/21 - 08/09/23	7	0	CI around mean	0.526	0.411
G314D	DA	E002	Lead, total	mg/L	03/30/21 - 08/09/23	8	75	CI around median	0.001	0.00630
G314D	DA	E002	Lithium, total	mg/L	03/30/21 - 08/09/23	8	50	CB around linear reg	0.00992	0.0130
G314D	DA	E002	Mercury, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.0002	0.00130
G314D	DA	E002	Molybdenum, total	mg/L	03/30/21 - 08/09/23	8	0	CB around linear reg	-0.00896	0.00150
G314D	DA	E002	pH (field)	SU	03/30/21 - 08/09/23	8	0	CI around mean	6.9/7.3	6.6/7.3
G314D	DA	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/09/23	8	0	CI around mean	1.5	1.60

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G314D	DA	E002	Selenium, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.001	0.00150
G314D	DA	E002	Sulfate, total	mg/L	03/30/21 - 08/09/23	7	0	CI around mean	735	367
G314D	DA	E002	Thallium, total	mg/L	03/30/21 - 08/09/23	8	100	All ND - Last	0.002	0.00100
G314D	DA	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/09/23	7	0	CI around mean	1,760	1,010
G315	UA	E002	Antimony, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.001	0.003
G315	UA	E002	Arsenic, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.001	0.00430
G315	UA	E002	Barium, total	mg/L	03/30/21 - 08/10/23	11	0	CI around mean	0.0204	0.120
G315	UA	E002	Beryllium, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.001	0.001
G315	UA	E002	Boron, total	mg/L	03/30/21 - 08/10/23	11	0	CI around median	1.2	3.20
G315	UA	E002	Cadmium, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.001	0.001
G315	UA	E002	Chloride, total	mg/L	03/30/21 - 08/10/23	11	0	CI around median	12	120
G315	UA	E002	Chromium, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.0015	0.0110
G315	UA	E002	Cobalt, total	mg/L	03/30/21 - 08/10/23	11	91	CI around median	0.002	0.00560
G315	UA	E002	Fluoride, total	mg/L	03/30/21 - 08/10/23	11	0	CI around mean	0.263	0.411
G315	UA	E002	Lead, total	mg/L	03/30/21 - 08/10/23	11	91	CI around median	0.001	0.00630
G315	UA	E002	Lithium, total	mg/L	03/30/21 - 08/10/23	11	91	CI around median	0.02	0.0130
G315	UA	E002	Mercury, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.0002	0.00130
G315	UA	E002	Molybdenum, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.0015	0.00150
G315	UA	E002	pH (field)	SU	03/30/21 - 08/10/23	11	0	CI around mean	6.8/6.9	6.6/7.3
G315	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/10/23	10	0	CI around mean	0.122	1.60
G315	UA	E002	Selenium, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.001	0.00150
G315	UA	E002	Sulfate, total	mg/L	03/30/21 - 08/10/23	11	0	CB around T-S line	-468	367
G315	UA	E002	Thallium, total	mg/L	03/30/21 - 08/10/23	11	100	All ND - Last	0.002	0.00100
G315	UA	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/10/23	11	0	CI around mean	1,290	1,010
G316	LCU	E002	Antimony, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.003
G316	LCU	E002	Arsenic, total	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	0.00681	0.00430
G316	LCU	E002	Barium, total	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	0.0616	0.120

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G316	LCU	E002	Beryllium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.001
G316	LCU	E002	Boron, total	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	0.363	3.20
G316	LCU	E002	Cadmium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.001
G316	LCU	E002	Chloride, total	mg/L	03/30/21 - 08/09/23	11	0	CI around median	23	120
G316	LCU	E002	Chromium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.0015	0.0110
G316	LCU	E002	Cobalt, total	mg/L	03/30/21 - 08/09/23	11	0	CB around linear reg	0.00218	0.00560
G316	LCU	E002	Fluoride, total	mg/L	03/30/21 - 08/09/23	11	54	CI around median	0.25	0.411
G316	LCU	E002	Lead, total	mg/L	03/30/21 - 08/09/23	11	91	CI around median	0.001	0.00630
G316	LCU	E002	Lithium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.003	0.0130
G316	LCU	E002	Mercury, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.0002	0.00130
G316	LCU	E002	Molybdenum, total	mg/L	03/30/21 - 08/09/23	11	0	CI around mean	0.00368	0.00150
G316	LCU	E002	pH (field)	SU	03/30/21 - 08/09/23	11	0	CI around mean	6.9/7.1	6.6/7.3
G316	LCU	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/09/23	10	0	CI around geomean	0.26	1.60
G316	LCU	E002	Selenium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.001	0.00150
G316	LCU	E002	Sulfate, total	mg/L	03/30/21 - 08/09/23	11	0	CI around median	660	367
G316	LCU	E002	Thallium, total	mg/L	03/30/21 - 08/09/23	11	100	All ND - Last	0.002	0.00100
G316	LCU	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/09/23	11	0	CI around median	1,600	1,010

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:

- DA = Deep Aquifer
- LCU = Lower Confining Unit
- UA = Uppermost Aquifer

mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

- All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
- CB around T-S line = Confidence band around Thiel-Sen line
- CB around linear reg = Confidence band around linear regression
- CI around geomean = Confidence interval around the geometric mean
- CI around mean = Confidence interval around the mean
- CI around median = Confidence interval around the median

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination