



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 GMF Recycle Pond; IEPA ID # W1350150004-04

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 Gypsum Management Facility (GMF) Recycle Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1350150004-04. 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,

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

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

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 3, 2023, GMF Recycle Pond, Coffeen Power Plant, Coffeen, Illinois

**35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 3, 2023
GMF RECYCLE POND, COFFEEN POWER PLANT, COFFEEN, ILLINOIS**

January 20, 2024

Samples were collected on August 14-15, 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-04; 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. Monitoring wells G275 was dry; therefore, groundwater elevation data was not recorded and a groundwater sample was not collected for this sampling event. Monitoring wells G277 and G279 were purged dry; therefore, groundwater samples were not collected for this sampling event. A groundwater elevation was not able to be obtained at monitoring location SG04 for this monitoring event.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan¹ 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

- Table 1 Field Parameters and Analytical Results - Quarter 3, 2023
- Table 2 Comparison of Statistical Results to GWPS - Quarter 3, 2023

FIGURES

- Figure 1 Monitoring Well Location Map

¹ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. GMF Recycle Pond. 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
 GMF RECYCLE POND
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G270	Background	E002	08/14/2023	Antimony, total	0.0008 U	mg/L
G270	Background	E002	08/14/2023	Arsenic, total	0.0004 U	mg/L
G270	Background	E002	08/14/2023	Barium, total	0.0467	mg/L
G270	Background	E002	08/14/2023	Beryllium, total	0.0002 U	mg/L
G270	Background	E002	08/14/2023	Boron, total	0.0092 U	mg/L
G270	Background	E002	08/14/2023	Cadmium, total	0.0002 U	mg/L
G270	Background	E002	08/14/2023	Calcium, total	57.9	mg/L
G270	Background	E002	08/14/2023	Chloride, total	13.0	mg/L
G270	Background	E002	08/14/2023	Chromium, total	0.0009 J	mg/L
G270	Background	E002	08/14/2023	Cobalt, total	0.0003 J	mg/L
G270	Background	E002	08/14/2023	Dissolved Oxygen	1.64	mg/L
G270	Background	E002	08/14/2023	Fluoride, total	0.350 J+	mg/L
G270	Background	E002	08/14/2023	Lead, total	0.0006 U	mg/L
G270	Background	E002	08/14/2023	Lithium, total	0.0029 J	mg/L
G270	Background	E002	08/14/2023	Mercury, total	0.00009 U	mg/L
G270	Background	E002	08/14/2023	Molybdenum, total	0.0008 J	mg/L
G270	Background	E002	08/14/2023	Oxidation Reduction Potential	78.0	mV
G270	Background	E002	08/14/2023	pH (field)	6.8	SU
G270	Background	E002	08/14/2023	Radium 226 + Radium 228, total	0.661	pCi/L
G270	Background	E002	08/14/2023	Selenium, total	0.0006 U	mg/L
G270	Background	E002	08/14/2023	Specific Conductance @ 25C (field)	936	micromhos/cm
G270	Background	E002	08/14/2023	Sulfate, total	48.0 J+	mg/L
G270	Background	E002	08/14/2023	Temperature	15.2	degrees C
G270	Background	E002	08/14/2023	Thallium, total	0.001 U	mg/L
G270	Background	E002	08/14/2023	Total Dissolved Solids	426	mg/L
G270	Background	E002	08/14/2023	Turbidity, field	5.30	NTU
G280	Background	E002	08/14/2023	Antimony, total	0.0009 J	mg/L
G280	Background	E002	08/14/2023	Arsenic, total	0.0004 U	mg/L
G280	Background	E002	08/14/2023	Barium, total	0.0531	mg/L
G280	Background	E002	08/14/2023	Beryllium, total	0.0002 U	mg/L
G280	Background	E002	08/14/2023	Boron, total	0.0092 U	mg/L
G280	Background	E002	08/14/2023	Cadmium, total	0.0002 U	mg/L
G280	Background	E002	08/14/2023	Calcium, total	79.5	mg/L
G280	Background	E002	08/14/2023	Chloride, total	70.0	mg/L
G280	Background	E002	08/14/2023	Chromium, total	0.0013 J	mg/L
G280	Background	E002	08/14/2023	Cobalt, total	0.0003 J	mg/L
G280	Background	E002	08/14/2023	Dissolved Oxygen	1.01	mg/L
G280	Background	E002	08/14/2023	Fluoride, total	0.310 J+	mg/L
G280	Background	E002	08/14/2023	Lead, total	0.0006 U	mg/L
G280	Background	E002	08/14/2023	Lithium, total	0.00440	mg/L
G280	Background	E002	08/14/2023	Mercury, total	0.00006 U	mg/L
G280	Background	E002	08/14/2023	Molybdenum, total	0.0006 J	mg/L
G280	Background	E002	08/14/2023	Oxidation Reduction Potential	31.0	mV
G280	Background	E002	08/14/2023	pH (field)	7.4	SU
G280	Background	E002	08/14/2023	Radium 226 + Radium 228, total	0.609	pCi/L
G280	Background	E002	08/14/2023	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G280	Background	E002	08/14/2023	Specific Conductance @ 25C (field)	1,480	micromhos/cm
G280	Background	E002	08/14/2023	Sulfate, total	91.0	mg/L
G280	Background	E002	08/14/2023	Temperature	15.5	degrees C
G280	Background	E002	08/14/2023	Thallium, total	0.001 U	mg/L
G280	Background	E002	08/14/2023	Total Dissolved Solids	594	mg/L
G280	Background	E002	08/14/2023	Turbidity, field	8.50	NTU
G271	Compliance	E002	08/14/2023	Antimony, total	0.00140	mg/L
G271	Compliance	E002	08/14/2023	Arsenic, total	0.0005 J	mg/L
G271	Compliance	E002	08/14/2023	Barium, total	0.0254	mg/L
G271	Compliance	E002	08/14/2023	Beryllium, total	0.0002 U	mg/L
G271	Compliance	E002	08/14/2023	Boron, total	0.633 J+	mg/L
G271	Compliance	E002	08/14/2023	Cadmium, total	0.0002 U	mg/L
G271	Compliance	E002	08/14/2023	Calcium, total	80.9	mg/L
G271	Compliance	E002	08/14/2023	Chloride, total	35.0	mg/L
G271	Compliance	E002	08/14/2023	Chromium, total	0.0014 J	mg/L
G271	Compliance	E002	08/14/2023	Cobalt, total	0.0002 J	mg/L
G271	Compliance	E002	08/14/2023	Dissolved Oxygen	3.16	mg/L
G271	Compliance	E002	08/14/2023	Fluoride, total	0.520 J+	mg/L
G271	Compliance	E002	08/14/2023	Lead, total	0.0006 U	mg/L
G271	Compliance	E002	08/14/2023	Lithium, total	0.0025 J	mg/L
G271	Compliance	E002	08/14/2023	Mercury, total	0.00009 U	mg/L
G271	Compliance	E002	08/14/2023	Molybdenum, total	0.0008 J	mg/L
G271	Compliance	E002	08/14/2023	Oxidation Reduction Potential	75.0	mV
G271	Compliance	E002	08/14/2023	pH (field)	7.0	SU
G271	Compliance	E002	08/14/2023	Radium 226 + Radium 228, total	0.552	pCi/L
G271	Compliance	E002	08/14/2023	Selenium, total	0.00100	mg/L
G271	Compliance	E002	08/14/2023	Specific Conductance @ 25C (field)	1,190	micromhos/cm
G271	Compliance	E002	08/14/2023	Sulfate, total	177	mg/L
G271	Compliance	E002	08/14/2023	Temperature	17.2	degrees C
G271	Compliance	E002	08/14/2023	Thallium, total	0.001 U	mg/L
G271	Compliance	E002	08/14/2023	Total Dissolved Solids	594	mg/L
G271	Compliance	E002	08/14/2023	Turbidity, field	10.0	NTU
G273	Compliance	E002	08/14/2023	Antimony, total	0.00100 J	mg/L
G273	Compliance	E002	08/14/2023	Arsenic, total	0.0004 J	mg/L
G273	Compliance	E002	08/14/2023	Barium, total	0.0347	mg/L
G273	Compliance	E002	08/14/2023	Beryllium, total	0.0002 U	mg/L
G273	Compliance	E002	08/14/2023	Boron, total	0.0558 J+	mg/L
G273	Compliance	E002	08/14/2023	Cadmium, total	0.0002 U	mg/L
G273	Compliance	E002	08/14/2023	Calcium, total	164	mg/L
G273	Compliance	E002	08/14/2023	Chloride, total	68.0	mg/L
G273	Compliance	E002	08/14/2023	Chromium, total	0.0013 J	mg/L
G273	Compliance	E002	08/14/2023	Cobalt, total	0.0001 J	mg/L
G273	Compliance	E002	08/14/2023	Dissolved Oxygen	1.06	mg/L
G273	Compliance	E002	08/14/2023	Fluoride, total	0.330 J+	mg/L
G273	Compliance	E002	08/14/2023	Lead, total	0.0006 U	mg/L
G273	Compliance	E002	08/14/2023	Lithium, total	0.00670	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G273	Compliance	E002	08/14/2023	Mercury, total	0.00009 U	mg/L
G273	Compliance	E002	08/14/2023	Molybdenum, total	0.0008 J	mg/L
G273	Compliance	E002	08/14/2023	Oxidation Reduction Potential	103	mV
G273	Compliance	E002	08/14/2023	pH (field)	6.8	SU
G273	Compliance	E002	08/14/2023	Radium 226 + Radium 228, total	0.485	pCi/L
G273	Compliance	E002	08/14/2023	Selenium, total	0.0006 U	mg/L
G273	Compliance	E002	08/14/2023	Specific Conductance @ 25C (field)	2,060	micromhos/cm
G273	Compliance	E002	08/14/2023	Sulfate, total	465	mg/L
G273	Compliance	E002	08/14/2023	Temperature	16.6	degrees C
G273	Compliance	E002	08/14/2023	Thallium, total	0.001 U	mg/L
G273	Compliance	E002	08/14/2023	Total Dissolved Solids	1,180	mg/L
G273	Compliance	E002	08/14/2023	Turbidity, field	2.20	NTU
G275D	Compliance	E002	08/14/2023	Antimony, total	0.0007 J	mg/L
G275D	Compliance	E002	08/14/2023	Arsenic, total	0.0237	mg/L
G275D	Compliance	E002	08/14/2023	Barium, total	0.506	mg/L
G275D	Compliance	E002	08/14/2023	Beryllium, total	0.0002 U	mg/L
G275D	Compliance	E002	08/14/2023	Boron, total	0.174 J+	mg/L
G275D	Compliance	E002	08/14/2023	Cadmium, total	0.0002 U	mg/L
G275D	Compliance	E002	08/14/2023	Calcium, total	157	mg/L
G275D	Compliance	E002	08/14/2023	Chloride, total	20.0	mg/L
G275D	Compliance	E002	08/14/2023	Chromium, total	0.0008 J	mg/L
G275D	Compliance	E002	08/14/2023	Cobalt, total	0.0008 J	mg/L
G275D	Compliance	E002	08/14/2023	Dissolved Oxygen	0.540	mg/L
G275D	Compliance	E002	08/14/2023	Fluoride, total	0.500 J+	mg/L
G275D	Compliance	E002	08/14/2023	Lead, total	0.0006 U	mg/L
G275D	Compliance	E002	08/14/2023	Lithium, total	0.0026 J	mg/L
G275D	Compliance	E002	08/14/2023	Mercury, total	0.00006 U	mg/L
G275D	Compliance	E002	08/14/2023	Molybdenum, total	0.00240	mg/L
G275D	Compliance	E002	08/14/2023	Oxidation Reduction Potential	-132	mV
G275D	Compliance	E002	08/14/2023	pH (field)	7.5	SU
G275D	Compliance	E002	08/14/2023	Radium 226 + Radium 228, total	0.879	pCi/L
G275D	Compliance	E002	08/14/2023	Selenium, total	0.0006 U	mg/L
G275D	Compliance	E002	08/14/2023	Specific Conductance @ 25C (field)	2,490	micromhos/cm
G275D	Compliance	E002	08/14/2023	Sulfate, total	123	mg/L
G275D	Compliance	E002	08/14/2023	Temperature	15.6	degrees C
G275D	Compliance	E002	08/14/2023	Thallium, total	0.001 U	mg/L
G275D	Compliance	E002	08/14/2023	Total Dissolved Solids	1,000	mg/L
G275D	Compliance	E002	08/14/2023	Turbidity, field	14.0	NTU
G276	Compliance	E002	08/14/2023	Antimony, total	0.00140	mg/L
G276	Compliance	E002	08/14/2023	Arsenic, total	0.0004 U	mg/L
G276	Compliance	E002	08/14/2023	Barium, total	0.0553	mg/L
G276	Compliance	E002	08/14/2023	Beryllium, total	0.0003 J	mg/L
G276	Compliance	E002	08/14/2023	Boron, total	0.025 UJ	mg/L
G276	Compliance	E002	08/14/2023	Cadmium, total	0.0002 U	mg/L
G276	Compliance	E002	08/14/2023	Calcium, total	139	mg/L
G276	Compliance	E002	08/14/2023	Chloride, total	31.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G276	Compliance	E002	08/14/2023	Chromium, total	0.00160	mg/L
G276	Compliance	E002	08/14/2023	Cobalt, total	0.0004 J	mg/L
G276	Compliance	E002	08/14/2023	Dissolved Oxygen	1.60	mg/L
G276	Compliance	E002	08/14/2023	Fluoride, total	0.370 J+	mg/L
G276	Compliance	E002	08/14/2023	Lead, total	0.0006 U	mg/L
G276	Compliance	E002	08/14/2023	Lithium, total	0.0104	mg/L
G276	Compliance	E002	08/14/2023	Mercury, total	0.00006 U	mg/L
G276	Compliance	E002	08/14/2023	Molybdenum, total	0.0006 J	mg/L
G276	Compliance	E002	08/14/2023	Oxidation Reduction Potential	34.0	mV
G276	Compliance	E002	08/14/2023	pH (field)	7.2	SU
G276	Compliance	E002	08/14/2023	Radium 226 + Radium 228, total	1.06	pCi/L
G276	Compliance	E002	08/14/2023	Selenium, total	0.0006 U	mg/L
G276	Compliance	E002	08/14/2023	Specific Conductance @ 25C (field)	2,190	micromhos/cm
G276	Compliance	E002	08/14/2023	Sulfate, total	249	mg/L
G276	Compliance	E002	08/14/2023	Temperature	16.2	degrees C
G276	Compliance	E002	08/14/2023	Thallium, total	0.001 U	mg/L
G276	Compliance	E002	08/14/2023	Total Dissolved Solids	908	mg/L
G276	Compliance	E002	08/14/2023	Turbidity, field	9.00	NTU
G283	Compliance	E002	08/15/2023	Antimony, total	0.0008 U	mg/L
G283	Compliance	E002	08/15/2023	Arsenic, total	0.0004 U	mg/L
G283	Compliance	E002	08/15/2023	Barium, total	0.174	mg/L
G283	Compliance	E002	08/15/2023	Beryllium, total	0.0002 U	mg/L
G283	Compliance	E002	08/15/2023	Boron, total	0.0545 J+	mg/L
G283	Compliance	E002	08/15/2023	Cadmium, total	0.0002 U	mg/L
G283	Compliance	E002	08/15/2023	Calcium, total	140	mg/L
G283	Compliance	E002	08/15/2023	Chloride, total	39.0	mg/L
G283	Compliance	E002	08/15/2023	Chromium, total	0.0007 U	mg/L
G283	Compliance	E002	08/15/2023	Cobalt, total	0.0001 U	mg/L
G283	Compliance	E002	08/15/2023	Dissolved Oxygen	0.530	mg/L
G283	Compliance	E002	08/15/2023	Fluoride, total	0.370 J+	mg/L
G283	Compliance	E002	08/15/2023	Lead, total	0.0006 U	mg/L
G283	Compliance	E002	08/15/2023	Lithium, total	0.0102	mg/L
G283	Compliance	E002	08/15/2023	Mercury, total	0.00006 U	mg/L
G283	Compliance	E002	08/15/2023	Molybdenum, total	0.00170	mg/L
G283	Compliance	E002	08/15/2023	Oxidation Reduction Potential	-71.0	mV
G283	Compliance	E002	08/15/2023	pH (field)	7.1	SU
G283	Compliance	E002	08/15/2023	Radium 226 + Radium 228, total	0.719	pCi/L
G283	Compliance	E002	08/15/2023	Selenium, total	0.0006 U	mg/L
G283	Compliance	E002	08/15/2023	Specific Conductance @ 25C (field)	2,100	micromhos/cm
G283	Compliance	E002	08/15/2023	Sulfate, total	250	mg/L
G283	Compliance	E002	08/15/2023	Temperature	14.8	degrees C
G283	Compliance	E002	08/15/2023	Thallium, total	0.001 U	mg/L
G283	Compliance	E002	08/15/2023	Total Dissolved Solids	825	mg/L
G283	Compliance	E002	08/15/2023	Turbidity, field	10.0	NTU
G284	Compliance	E002	08/15/2023	Antimony, total	0.0008 U	mg/L
G284	Compliance	E002	08/15/2023	Arsenic, total	0.0004 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G284	Compliance	E002	08/15/2023	Barium, total	0.0875	mg/L
G284	Compliance	E002	08/15/2023	Beryllium, total	0.0002 U	mg/L
G284	Compliance	E002	08/15/2023	Boron, total	0.0840 J+	mg/L
G284	Compliance	E002	08/15/2023	Cadmium, total	0.0002 U	mg/L
G284	Compliance	E002	08/15/2023	Calcium, total	72.5	mg/L
G284	Compliance	E002	08/15/2023	Chloride, total	32.0	mg/L
G284	Compliance	E002	08/15/2023	Chromium, total	0.0008 J	mg/L
G284	Compliance	E002	08/15/2023	Cobalt, total	0.0001 J	mg/L
G284	Compliance	E002	08/15/2023	Dissolved Oxygen	4.05	mg/L
G284	Compliance	E002	08/15/2023	Fluoride, total	0.620	mg/L
G284	Compliance	E002	08/15/2023	Lead, total	0.0006 U	mg/L
G284	Compliance	E002	08/15/2023	Lithium, total	0.0134	mg/L
G284	Compliance	E002	08/15/2023	Mercury, total	0.00006 U	mg/L
G284	Compliance	E002	08/15/2023	Molybdenum, total	0.0599	mg/L
G284	Compliance	E002	08/15/2023	Oxidation Reduction Potential	126	mV
G284	Compliance	E002	08/15/2023	pH (field)	7.2	SU
G284	Compliance	E002	08/15/2023	Radium 226 + Radium 228, total	0.566	pCi/L
G284	Compliance	E002	08/15/2023	Selenium, total	0.00510	mg/L
G284	Compliance	E002	08/15/2023	Specific Conductance @ 25C (field)	1,930	micromhos/cm
G284	Compliance	E002	08/15/2023	Sulfate, total	174	mg/L
G284	Compliance	E002	08/15/2023	Temperature	17.0	degrees C
G284	Compliance	E002	08/15/2023	Thallium, total	0.001 U	mg/L
G284	Compliance	E002	08/15/2023	Total Dissolved Solids	656	mg/L
G284	Compliance	E002	08/15/2023	Turbidity, field	6.00	NTU
G285	Compliance	E002	08/15/2023	Antimony, total	0.0008 U	mg/L
G285	Compliance	E002	08/15/2023	Arsenic, total	0.0004 U	mg/L
G285	Compliance	E002	08/15/2023	Barium, total	0.0455	mg/L
G285	Compliance	E002	08/15/2023	Beryllium, total	0.0002 U	mg/L
G285	Compliance	E002	08/15/2023	Boron, total	0.114 J+	mg/L
G285	Compliance	E002	08/15/2023	Cadmium, total	0.0002 U	mg/L
G285	Compliance	E002	08/15/2023	Calcium, total	272	mg/L
G285	Compliance	E002	08/15/2023	Chloride, total	24.0	mg/L
G285	Compliance	E002	08/15/2023	Chromium, total	0.0008 J	mg/L
G285	Compliance	E002	08/15/2023	Cobalt, total	0.00300	mg/L
G285	Compliance	E002	08/15/2023	Dissolved Oxygen	0.690	mg/L
G285	Compliance	E002	08/15/2023	Fluoride, total	0.320 J+	mg/L
G285	Compliance	E002	08/15/2023	Lead, total	0.0006 U	mg/L
G285	Compliance	E002	08/15/2023	Lithium, total	0.00510	mg/L
G285	Compliance	E002	08/15/2023	Mercury, total	0.00006 U	mg/L
G285	Compliance	E002	08/15/2023	Molybdenum, total	0.00320	mg/L
G285	Compliance	E002	08/15/2023	Oxidation Reduction Potential	54.0	mV
G285	Compliance	E002	08/15/2023	pH (field)	6.7	SU
G285	Compliance	E002	08/15/2023	Radium 226 + Radium 228, total	2.39	pCi/L
G285	Compliance	E002	08/15/2023	Selenium, total	0.0006 U	mg/L
G285	Compliance	E002	08/15/2023	Specific Conductance @ 25C (field)	3,430	micromhos/cm
G285	Compliance	E002	08/15/2023	Sulfate, total	586	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G285	Compliance	E002	08/15/2023	Temperature	14.3	degrees C
G285	Compliance	E002	08/15/2023	Thallium, total	0.001 U	mg/L
G285	Compliance	E002	08/15/2023	Total Dissolved Solids	1,640	mg/L
G285	Compliance	E002	08/15/2023	Turbidity, field	7.30	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.

UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G271	UA	E002	Antimony, total	mg/L	11/23/15 - 08/14/23	23	97	CI around median	0.003	0.006	Standard	No Exceedance
G271	UA	E002	Arsenic, total	mg/L	11/23/15 - 08/14/23	25	76	CI around median	0.001	0.010	Standard	No Exceedance
G271	UA	E002	Barium, total	mg/L	11/23/15 - 08/14/23	26	0	CB around T-S line	0.0154	2.0	Standard	No Exceedance
G271	UA	E002	Beryllium, total	mg/L	11/23/15 - 08/14/23	23	97	CI around median	0.001	0.004	Standard	No Exceedance
G271	UA	E002	Boron, total	mg/L	11/23/15 - 08/14/23	27	0	CI around geomean	0.68	2	Standard	No Exceedance
G271	UA	E002	Cadmium, total	mg/L	11/23/15 - 08/14/23	23	98	CI around median	0.001	0.005	Standard	No Exceedance
G271	UA	E002	Chloride, total	mg/L	11/23/15 - 08/14/23	27	0	CB around linear reg	44.6	200	Standard	No Exceedance
G271	UA	E002	Chromium, total	mg/L	11/23/15 - 08/14/23	25	84	CI around median	0.004	0.1	Standard	No Exceedance
G271	UA	E002	Cobalt, total	mg/L	11/23/15 - 08/14/23	25	86	CI around median	0.002	0.006	Standard	No Exceedance
G271	UA	E002	Fluoride, total	mg/L	11/23/15 - 08/14/23	27	8	CI around mean	0.326	4.0	Standard	No Exceedance
G271	UA	E002	Lead, total	mg/L	11/23/15 - 08/14/23	26	64	CI around median	0.001	0.0120	Background	No Exceedance
G271	UA	E002	Lithium, total	mg/L	11/23/15 - 08/14/23	21	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G271	UA	E002	Mercury, total	mg/L	11/23/15 - 08/14/23	23	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G271	UA	E002	Molybdenum, total	mg/L	11/23/15 - 08/14/23	26	68	CI around median	0.001	0.1	Standard	No Exceedance
G271	UA	E002	pH (field)	SU	11/23/15 - 08/14/23	29	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
G271	UA	E002	Radium 226 + Radium 228, total	pCi/L	11/23/15 - 08/14/23	21	0	CI around geomean	0.361	5	Standard	No Exceedance
G271	UA	E002	Selenium, total	mg/L	11/23/15 - 08/14/23	25	5	CI around mean	0.00156	0.05	Standard	No Exceedance
G271	UA	E002	Sulfate, total	mg/L	11/23/15 - 08/14/23	27	0	CB around linear reg	190	400	Standard	No Exceedance
G271	UA	E002	Thallium, total	mg/L	11/23/15 - 08/14/23	24	97	CI around median	0.001	0.002	Standard	No Exceedance
G271	UA	E002	Total Dissolved Solids	mg/L	11/23/15 - 08/14/23	27	0	CI around mean	802	1,200	Standard	No Exceedance
G273	UA	E002	Antimony, total	mg/L	11/24/15 - 08/14/23	23	97	CI around median	0.003	0.006	Standard	No Exceedance
G273	UA	E002	Arsenic, total	mg/L	11/24/15 - 08/14/23	26	86	CI around median	0.001	0.010	Standard	No Exceedance
G273	UA	E002	Barium, total	mg/L	11/24/15 - 08/14/23	26	0	CI around median	0.029	2.0	Standard	No Exceedance
G273	UA	E002	Beryllium, total	mg/L	11/24/15 - 08/14/23	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G273	UA	E002	Boron, total	mg/L	11/24/15 - 08/14/23	27	6	CB around T-S line	-0.0599	2	Standard	No Exceedance
G273	UA	E002	Cadmium, total	mg/L	11/24/15 - 08/14/23	23	98	CI around median	0.001	0.005	Standard	No Exceedance
G273	UA	E002	Chloride, total	mg/L	11/24/15 - 08/14/23	27	0	CB around T-S line	69.3	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 GMF RECYCLE POND
 COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G273	UA	E002	Chromium, total	mg/L	11/24/15 - 08/14/23	25	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G273	UA	E002	Cobalt, total	mg/L	11/24/15 - 08/14/23	25	97	CI around median	0.002	0.006	Standard	No Exceedance
G273	UA	E002	Fluoride, total	mg/L	11/24/15 - 08/14/23	27	18	CI around mean	0.298	4.0	Standard	No Exceedance
G273	UA	E002	Lead, total	mg/L	11/24/15 - 08/14/23	26	90	CI around median	0.001	0.0120	Background	No Exceedance
G273	UA	E002	Lithium, total	mg/L	11/24/15 - 08/14/23	21	86	CB around T-S line	0.01	0.04	Standard	No Exceedance
G273	UA	E002	Mercury, total	mg/L	11/24/15 - 08/14/23	23	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G273	UA	E002	Molybdenum, total	mg/L	11/24/15 - 08/14/23	26	89	CI around median	0.001	0.1	Standard	No Exceedance
G273	UA	E002	pH (field)	SU	11/24/15 - 08/14/23	29	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G273	UA	E002	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 08/14/23	21	0	CB around linear reg	-0.445	5	Standard	No Exceedance
G273	UA	E002	Selenium, total	mg/L	11/24/15 - 08/14/23	26	95	CI around median	0.001	0.05	Standard	No Exceedance
G273	UA	E002	Sulfate, total	mg/L	11/24/15 - 08/14/23	27	0	CI around median	410	400	Standard	Exceedance
G273	UA	E002	Thallium, total	mg/L	11/24/15 - 08/14/23	24	94	CI around median	0.001	0.002	Standard	No Exceedance
G273	UA	E002	Total Dissolved Solids	mg/L	11/24/15 - 08/14/23	27	0	CB around linear reg	1,030	1,200	Standard	No Exceedance
G275D	DA	E002	Antimony, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G275D	DA	E002	Arsenic, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	0.00218	0.010	Standard	No Exceedance
G275D	DA	E002	Barium, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	0.303	2.0	Standard	No Exceedance
G275D	DA	E002	Beryllium, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G275D	DA	E002	Boron, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	0.19	2	Standard	No Exceedance
G275D	DA	E002	Cadmium, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G275D	DA	E002	Chloride, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	21.5	200	Standard	No Exceedance
G275D	DA	E002	Chromium, total	mg/L	03/30/21 - 08/14/23	7	86	CI around median	0.0015	0.1	Standard	No Exceedance
G275D	DA	E002	Cobalt, total	mg/L	03/30/21 - 08/14/23	7	57	CI around median	0.001	0.006	Standard	No Exceedance
G275D	DA	E002	Fluoride, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	0.367	4.0	Standard	No Exceedance
G275D	DA	E002	Lead, total	mg/L	03/30/21 - 08/14/23	7	86	CI around median	0.001	0.0120	Background	No Exceedance
G275D	DA	E002	Lithium, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G275D	DA	E002	Mercury, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G275D	DA	E002	Molybdenum, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	0.00562	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G275D	DA	E002	pH (field)	SU	03/30/21 - 08/14/23	7	0	CI around mean	7.0/7.4	6.5/9.0	Standard/Standard	No Exceedance
G275D	DA	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/14/23	8	0	CI around mean	0.36	5	Standard	No Exceedance
G275D	DA	E002	Selenium, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G275D	DA	E002	Sulfate, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	126	400	Standard	No Exceedance
G275D	DA	E002	Thallium, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G275D	DA	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	925	1,200	Standard	No Exceedance
G276	UA	E002	Antimony, total	mg/L	11/24/15 - 08/14/23	23	97	CI around median	0.003	0.006	Standard	No Exceedance
G276	UA	E002	Arsenic, total	mg/L	11/24/15 - 08/14/23	26	86	Most recent sample	0.001	0.010	Standard	No Exceedance
G276	UA	E002	Barium, total	mg/L	11/24/15 - 08/14/23	26	0	CB around linear reg	0.0374	2.0	Standard	No Exceedance
G276	UA	E002	Beryllium, total	mg/L	11/24/15 - 08/14/23	23	94	Most recent sample	0.001	0.004	Standard	No Exceedance
G276	UA	E002	Boron, total	mg/L	11/24/15 - 08/14/23	27	12	CI around geomean	0.0165	2	Standard	No Exceedance
G276	UA	E002	Cadmium, total	mg/L	11/24/15 - 08/14/23	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G276	UA	E002	Chloride, total	mg/L	11/24/15 - 08/14/23	27	0	CI around geomean	22.4	200	Standard	No Exceedance
G276	UA	E002	Chromium, total	mg/L	11/24/15 - 08/14/23	25	89	CI around median	0.004	0.1	Standard	No Exceedance
G276	UA	E002	Cobalt, total	mg/L	11/24/15 - 08/14/23	25	97	CI around median	0.002	0.006	Standard	No Exceedance
G276	UA	E002	Fluoride, total	mg/L	11/24/15 - 08/14/23	27	5	CI around median	0.345	4.0	Standard	No Exceedance
G276	UA	E002	Lead, total	mg/L	11/24/15 - 08/14/23	26	80	CI around median	0.001	0.0120	Background	No Exceedance
G276	UA	E002	Lithium, total	mg/L	11/24/15 - 08/14/23	21	48	CB around linear reg	0.0158	0.04	Standard	No Exceedance
G276	UA	E002	Mercury, total	mg/L	11/24/15 - 08/14/23	23	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G276	UA	E002	Molybdenum, total	mg/L	11/24/15 - 08/14/23	26	82	CI around median	0.001	0.1	Standard	No Exceedance
G276	UA	E002	pH (field)	SU	11/24/15 - 08/14/23	28	0	CB around linear reg	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G276	UA	E002	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 08/14/23	21	0	CI around geomean	0.324	5	Standard	No Exceedance
G276	UA	E002	Selenium, total	mg/L	11/24/15 - 08/14/23	26	33	CB around linear reg	0.000783	0.05	Standard	No Exceedance
G276	UA	E002	Sulfate, total	mg/L	11/24/15 - 08/14/23	27	0	CB around linear reg	255	400	Standard	No Exceedance
G276	UA	E002	Thallium, total	mg/L	11/24/15 - 08/14/23	24	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G276	UA	E002	Total Dissolved Solids	mg/L	11/24/15 - 08/14/23	27	0	CB around T-S line	849	1,200	Standard	No Exceedance
G283	LCU	E002	Antimony, total	mg/L	03/31/21 - 08/15/23	10	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
GMF RECYCLE POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G283	LCU	E002	Arsenic, total	mg/L	03/31/21 - 08/15/23	10	50	CI around median	0.001	0.010	Standard	No Exceedance
G283	LCU	E002	Barium, total	mg/L	03/31/21 - 08/15/23	10	0	CI around median	0.16	2.0	Standard	No Exceedance
G283	LCU	E002	Beryllium, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G283	LCU	E002	Boron, total	mg/L	03/31/21 - 08/15/23	10	0	CI around mean	0.0367	2	Standard	No Exceedance
G283	LCU	E002	Cadmium, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G283	LCU	E002	Chloride, total	mg/L	03/31/21 - 08/15/23	10	0	CI around mean	37.2	200	Standard	No Exceedance
G283	LCU	E002	Chromium, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G283	LCU	E002	Cobalt, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G283	LCU	E002	Fluoride, total	mg/L	03/31/21 - 08/15/23	10	20	CI around mean	0.29	4.0	Standard	No Exceedance
G283	LCU	E002	Lead, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.001	0.0120	Background	No Exceedance
G283	LCU	E002	Lithium, total	mg/L	03/31/21 - 08/15/23	10	90	CI around median	0.02	0.04	Standard	No Exceedance
G283	LCU	E002	Mercury, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G283	LCU	E002	Molybdenum, total	mg/L	03/31/21 - 08/15/23	10	0	CI around geomean	0.00155	0.1	Standard	No Exceedance
G283	LCU	E002	pH (field)	SU	03/31/21 - 08/15/23	10	0	CI around mean	7.0/7.1	6.5/9.0	Standard/Standard	No Exceedance
G283	LCU	E002	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 08/15/23	10	0	CI around mean	0.42	5	Standard	No Exceedance
G283	LCU	E002	Selenium, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G283	LCU	E002	Sulfate, total	mg/L	03/31/21 - 08/15/23	10	0	CI around median	240	400	Standard	No Exceedance
G283	LCU	E002	Thallium, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G283	LCU	E002	Total Dissolved Solids	mg/L	03/31/21 - 08/15/23	10	0	CI around mean	776	1,200	Standard	No Exceedance
G284	UA	E002	Antimony, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G284	UA	E002	Arsenic, total	mg/L	03/30/21 - 08/15/23	10	90	Most recent sample	0.001	0.010	Standard	No Exceedance
G284	UA	E002	Barium, total	mg/L	03/30/21 - 08/15/23	10	0	CI around median	0.063	2.0	Standard	No Exceedance
G284	UA	E002	Beryllium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G284	UA	E002	Boron, total	mg/L	03/30/21 - 08/15/23	10	0	CI around geomean	0.0385	2	Standard	No Exceedance
G284	UA	E002	Cadmium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G284	UA	E002	Chloride, total	mg/L	03/30/21 - 08/15/23	10	0	CI around mean	36.1	200	Standard	No Exceedance
G284	UA	E002	Chromium, total	mg/L	03/30/21 - 08/15/23	10	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
 GMF RECYCLE POND
 COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G284	UA	E002	Cobalt, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G284	UA	E002	Fluoride, total	mg/L	03/30/21 - 08/15/23	10	0	CI around mean	0.485	4.0	Standard	No Exceedance
G284	UA	E002	Lead, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.0120	Background	No Exceedance
G284	UA	E002	Lithium, total	mg/L	03/30/21 - 08/15/23	10	90	CI around median	0.02	0.04	Standard	No Exceedance
G284	UA	E002	Mercury, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G284	UA	E002	Molybdenum, total	mg/L	03/30/21 - 08/15/23	10	40	CI around median	0.001	0.1	Standard	No Exceedance
G284	UA	E002	pH (field)	SU	03/30/21 - 08/15/23	10	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
G284	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/15/23	10	0	CI around mean	0.062	5	Standard	No Exceedance
G284	UA	E002	Selenium, total	mg/L	03/30/21 - 08/15/23	10	80	CI around median	0.001	0.05	Standard	No Exceedance
G284	UA	E002	Sulfate, total	mg/L	03/30/21 - 08/15/23	10	0	CI around median	63	400	Standard	No Exceedance
G284	UA	E002	Thallium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G284	UA	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/15/23	10	0	CI around mean	438	1,200	Standard	No Exceedance
G285	LCU	E002	Antimony, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G285	LCU	E002	Arsenic, total	mg/L	03/30/21 - 08/15/23	10	60	CI around median	0.001	0.010	Standard	No Exceedance
G285	LCU	E002	Barium, total	mg/L	03/30/21 - 08/15/23	10	0	CB around linear reg	0.0209	2.0	Standard	No Exceedance
G285	LCU	E002	Beryllium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G285	LCU	E002	Boron, total	mg/L	03/30/21 - 08/15/23	10	0	CI around mean	0.108	2	Standard	No Exceedance
G285	LCU	E002	Cadmium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G285	LCU	E002	Chloride, total	mg/L	03/30/21 - 08/15/23	10	0	CB around linear reg	0.0349	200	Standard	No Exceedance
G285	LCU	E002	Chromium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G285	LCU	E002	Cobalt, total	mg/L	03/30/21 - 08/15/23	10	20	CI around mean	0.0023	0.006	Standard	No Exceedance
G285	LCU	E002	Fluoride, total	mg/L	03/30/21 - 08/15/23	10	30	CI around mean	0.269	4.0	Standard	No Exceedance
G285	LCU	E002	Lead, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.0120	Background	No Exceedance
G285	LCU	E002	Lithium, total	mg/L	03/30/21 - 08/15/23	10	90	CI around median	0.02	0.04	Standard	No Exceedance
G285	LCU	E002	Mercury, total	mg/L	03/30/21 - 08/15/23	10	90	CI around median	0.0002	0.002	Standard	No Exceedance
G285	LCU	E002	Molybdenum, total	mg/L	03/30/21 - 08/15/23	10	0	CB around linear reg	0.000348	0.1	Standard	No Exceedance
G285	LCU	E002	pH (field)	SU	03/30/21 - 08/15/23	10	0	CI around median	6.7/6.9	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
 GMF RECYCLE POND
 COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G285	LCU	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/15/23	10	0	CI around mean	1.31	5	Standard	No Exceedance
G285	LCU	E002	Selenium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G285	LCU	E002	Sulfate, total	mg/L	03/30/21 - 08/15/23	10	0	CI around mean	541	400	Standard	Exceedance
G285	LCU	E002	Thallium, total	mg/L	03/30/21 - 08/15/23	10	90	CI around median	0.001	0.002	Standard	No Exceedance
G285	LCU	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/15/23	10	0	CI around mean	1,450	1,200	Standard	Exceedance

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

Most recent sample = Result for the most recently collected sample used due to insufficient data

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

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

GWPS = Groundwater Protection Standard

GWPS Source:

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

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

FIGURES



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



MONITORING WELL LOCATION MAP

FIGURE 1

GMF RECYCLE POND
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

**ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 3, 2023**

**ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 3, 2023**

845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G270	Background	08/14/2023	[8.52]	[617.34]
G271	Compliance	08/08/2023	11.20	614.37
G273	Compliance	08/08/2023	11.56	611.46
G275	Compliance	08/08/2023	Dry	
G275D	Compliance	08/08/2023	31.27	589.04
G276	Compliance	08/08/2023	27.75	604.25
G277	Compliance	08/08/2023	19.76	603.32
G279	Compliance	08/08/2023	23.69	608.35
G280	Background	08/08/2023	5.80	619.55
G283	Compliance	08/15/2023	[7.45]	[603.30]
G284	Compliance	08/15/2023	[12.28]	[606.14]
G285	Compliance	08/08/2023	8.25	605.26
X201	Water Level	08/08/2023	37.76	580.71

Notes:

Only wells with groundwater elevations measured are included.

BMP = below measuring point

Bracketing [] indicates that the measurement was obtained outside of the 24-hour period from initiation of depth to groundwater measurements.

NAVD88 = North American Vertical Datum of 1988

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

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_104 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
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com



Report Contents

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	7
Laboratory Results	8
Sample Summary	35
Dates Report	36
Quality Control Results	53
Receiving Check List	193
Chain of Custody	Appended

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)



Definitions

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Qualifiers

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



Case Narrative

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

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 measurement was also completed on 9/19/23. Resamples will be reported. EAH 9/19/23

Per Eric Bauer's request, only COF_845_104 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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

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



Accreditations

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104
<http://www.teklabinc.com/>

Client: Ramboll
 Client Project: COF-23Q3
 Lab ID: 23071810-039
 Matrix: GROUNDWATER

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

Client Sample ID: G270
 Collection Date: 08/14/2023 13:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.52	ft	1	08/14/2023 13:45	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.3	NTU	1	08/14/2023 13:45	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		78	mV	1	08/14/2023 13:45	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		936	µS/cm	1	08/14/2023 13:45	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.2	°C	1	08/14/2023 13:45	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.64	mg/L	1	08/14/2023 13:45	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		6.84		1	08/14/2023 13:45	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		347	mg/L	1	08/16/2023 13:10	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/16/2023 13:10	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		426	mg/L	1	08/16/2023 10:29	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		48	mg/L	1	08/29/2023 23:29	R335683
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.35	mg/L	1	08/16/2023 11:19	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		13	mg/L	1	08/29/2023 23:30	R335729
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		57.9	mg/L	1	08/16/2023 16:42	210901
Magnesium	NELAP	0.0055	0.0500		23.4	mg/L	1	08/16/2023 16:42	210901
Potassium	NELAP	0.0400	0.100		0.757	mg/L	1	08/16/2023 16:42	210901
Sodium	NELAP	0.0180	0.0500		80.3	mg/L	1	08/16/2023 16:42	210901
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0008	0.0010		< 0.0010	mg/L	5	09/01/2023 6:03	210901
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/01/2023 6:03	210901
Barium	NELAP	0.0007	0.0010		0.0467	mg/L	5	09/07/2023 18:46	210901
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 6:03	210901
Boron	NELAP	0.0092	0.0200		< 0.0200	mg/L	5	09/01/2023 6:03	210901
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 6:03	210901
Chromium	NELAP	0.0007	0.0015	J	0.0009	mg/L	5	09/01/2023 6:03	210901
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	09/01/2023 6:03	210901
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/07/2023 18:46	210901
Lithium	*	0.0015	0.0030	J	0.0029	mg/L	5	09/01/2023 6:03	210901
Molybdenum	*	0.0006	0.0015	J	0.0008	mg/L	5	09/01/2023 6:03	210901
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/01/2023 6:03	210901
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/01/2023 6:03	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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-039
Matrix: GROUNDWATER

Work Order: 23071810
Report Date: 21-Nov-23
Client Sample ID: G270
Collection Date: 08/14/2023 13:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00009	0.00020		< 0.00020	mg/L	1	08/16/2023 16:10	210923



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104
<http://www.teklabinc.com/>

Client: Ramboll
 Client Project: COF-23Q3
 Lab ID: 23071810-040
 Matrix: GROUNDWATER

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

Client Sample ID: G271
 Collection Date: 08/14/2023 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		11.20	ft	1	08/14/2023 13:15	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		10	NTU	1	08/14/2023 13:15	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		75	mV	1	08/14/2023 13:15	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1190	µS/cm	1	08/14/2023 13:15	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.2	°C	1	08/14/2023 13:15	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		3.16	mg/L	1	08/14/2023 13:15	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		6.97		1	08/14/2023 13:15	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		281	mg/L	1	08/16/2023 13:17	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/16/2023 13:17	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		594	mg/L	1	08/16/2023 11:07	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		177	mg/L	10	08/29/2023 23:42	R335683
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.52	mg/L	1	08/16/2023 11:54	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		35	mg/L	1	08/29/2023 23:38	R335729
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		80.9	mg/L	1	08/16/2023 16:42	210901
Magnesium	NELAP	0.0055	0.0500		38.6	mg/L	1	08/16/2023 16:42	210901
Potassium	NELAP	0.0400	0.100		0.369	mg/L	1	08/16/2023 16:42	210901
Sodium	NELAP	0.0180	0.0500		87.4	mg/L	1	08/16/2023 16:42	210901
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0008	0.0010		0.0014	mg/L	5	09/01/2023 5:51	210901
Arsenic	NELAP	0.0004	0.0010	J	0.0005	mg/L	5	09/01/2023 5:51	210901
Barium	NELAP	0.0007	0.0010		0.0254	mg/L	5	09/08/2023 14:17	211078
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 5:51	210901
Boron	NELAP	0.0092	0.0200		0.633	mg/L	5	09/01/2023 5:51	210901
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 5:51	210901
Chromium	NELAP	0.0007	0.0015	J	0.0014	mg/L	5	09/01/2023 5:51	210901
Cobalt	NELAP	0.0001	0.0010	J	0.0002	mg/L	5	09/01/2023 5:51	210901
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/07/2023 18:52	210901
Lithium	*	0.0015	0.0030	J	0.0025	mg/L	5	09/01/2023 5:51	210901
Molybdenum	*	0.0006	0.0015	J	0.0008	mg/L	5	09/01/2023 5:51	210901
Selenium	NELAP	0.0006	0.0010		0.0010	mg/L	5	09/01/2023 5:51	210901
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/01/2023 5:51	210901

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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-040
Matrix: GROUNDWATER

Work Order: 23071810
Report Date: 21-Nov-23
Client Sample ID: G271
Collection Date: 08/14/2023 13:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00009	0.00020		< 0.00020	mg/L	1	08/16/2023 16:14	210923



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

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

Lab ID: 23071810-041

Client Sample ID: G272

Matrix: GROUNDWATER

Collection Date: 08/14/2023 14:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.55	ft	1	08/14/2023 14:11	R335486



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-042
Matrix: GROUNDWATER

Work Order: 23071810
Report Date: 21-Nov-23
Client Sample ID: G273
Collection Date: 08/14/2023 14:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		11.56	ft	1	08/14/2023 14:32	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.2	NTU	1	08/14/2023 14:32	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		103	mV	1	08/14/2023 14:32	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2060	µS/cm	1	08/14/2023 14:32	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.6	°C	1	08/14/2023 14:32	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.06	mg/L	1	08/14/2023 14:32	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		6.76		1	08/14/2023 14:32	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		366	mg/L	1	08/16/2023 13:26	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/16/2023 13:26	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1180	mg/L	1	08/16/2023 11:07	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		465	mg/L	10	08/29/2023 19:43	R335683
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.33	mg/L	1	08/16/2023 11:58	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		68	mg/L	10	08/29/2023 19:43	R335729
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		164	mg/L	1	08/16/2023 16:44	210901
Magnesium	NELAP	0.0055	0.0500		82.0	mg/L	1	08/16/2023 16:44	210901
Potassium	NELAP	0.0400	0.100		0.557	mg/L	1	08/16/2023 16:44	210901
Sodium	NELAP	0.0180	0.0500		104	mg/L	1	08/16/2023 16:44	210901
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0008	0.0010	J	0.0010	mg/L	5	09/01/2023 6:09	210901
Arsenic	NELAP	0.0004	0.0010	J	0.0004	mg/L	5	09/01/2023 6:09	210901
Barium	NELAP	0.0007	0.0010		0.0347	mg/L	5	09/08/2023 14:56	211078
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 6:09	210901
Boron	NELAP	0.0092	0.0200		0.0558	mg/L	5	09/01/2023 6:09	210901
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 6:09	210901
Chromium	NELAP	0.0007	0.0015	J	0.0013	mg/L	5	09/01/2023 6:09	210901
Cobalt	NELAP	0.0001	0.0010	J	0.0001	mg/L	5	09/01/2023 6:09	210901
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/07/2023 19:05	210901
Lithium	*	0.0015	0.0030		0.0067	mg/L	5	09/01/2023 6:09	210901
Molybdenum	*	0.0006	0.0015	J	0.0008	mg/L	5	09/01/2023 6:09	210901
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/01/2023 6:09	210901
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/01/2023 6:09	210901

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-042
Matrix: GROUNDWATER

Work Order: 23071810
Report Date: 21-Nov-23
Client Sample ID: G273
Collection Date: 08/14/2023 14:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00009	0.00020		< 0.00020	mg/L	1	08/16/2023 16:28	210923



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Lab ID: 23071810-043

Client Sample ID: G274

Matrix: GROUNDWATER

Collection Date: 08/14/2023 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		14.99	ft	1	08/14/2023 12:00	R335486



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-045
Matrix: GROUNDWATER

Work Order: 23071810
Report Date: 21-Nov-23
Client Sample ID: G275D
Collection Date: 08/14/2023 11:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		31.27	ft	1	08/14/2023 11:50	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		14	NTU	1	08/14/2023 11:50	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-132	mV	1	08/14/2023 11:50	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2490	µS/cm	1	08/14/2023 11:50	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.6	°C	1	08/14/2023 11:50	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.54	mg/L	1	08/14/2023 11:50	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		7.51		1	08/14/2023 11:50	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		770	mg/L	1	08/16/2023 13:34	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/16/2023 13:34	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1000	mg/L	2.5	08/16/2023 11:08	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		123	mg/L	10	08/30/2023 16:34	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.50	mg/L	1	08/16/2023 11:43	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		20	mg/L	2	08/30/2023 16:30	R335780
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		157	mg/L	1	08/16/2023 16:50	210901
Magnesium	NELAP	0.0055	0.0500		61.8	mg/L	1	08/16/2023 16:50	210901
Potassium	NELAP	0.0400	0.100		3.00	mg/L	1	08/16/2023 16:50	210901
Sodium	NELAP	0.0180	0.0500		119	mg/L	1	08/16/2023 16:50	210901
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0004	0.0010	J	0.0007	mg/L	5	09/01/2023 6:22	210901
Arsenic	NELAP	0.0004	0.0010		0.0237	mg/L	5	09/01/2023 6:22	210901
Barium	NELAP	0.0007	0.0010		0.506	mg/L	5	09/07/2023 20:22	210901
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 6:22	210901
Boron	NELAP	0.0092	0.0200		0.174	mg/L	5	09/01/2023 6:22	210901
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 6:22	210901
Chromium	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	09/01/2023 6:22	210901
Cobalt	NELAP	0.0001	0.0010	J	0.0008	mg/L	5	09/01/2023 6:22	210901
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/07/2023 20:22	210901
Lithium	*	0.0015	0.0030	J	0.0026	mg/L	5	09/01/2023 6:22	210901
Molybdenum	*	0.0006	0.0015		0.0024	mg/L	5	09/01/2023 6:22	210901
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/01/2023 6:22	210901
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/01/2023 6:22	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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

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

Lab ID: 23071810-045

Client Sample ID: G275D

Matrix: GROUNDWATER

Collection Date: 08/14/2023 11:19

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	08/23/2023 21:51	211199



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104
<http://www.teklabinc.com/>

Client: Ramboll
 Client Project: COF-23Q3
 Lab ID: 23071810-046
 Matrix: GROUNDWATER

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

Client Sample ID: G276

Collection Date: 08/14/2023 12:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		27.75	ft	1	08/14/2023 12:35	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		9.0	NTU	1	08/14/2023 12:35	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		34	mV	1	08/14/2023 12:35	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2190	µS/cm	1	08/14/2023 12:35	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.2	°C	1	08/14/2023 12:35	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.60	mg/L	1	08/14/2023 12:35	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		7.16		1	08/14/2023 12:35	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		481	mg/L	1	08/16/2023 13:43	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/16/2023 13:43	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		908	mg/L	1	08/16/2023 11:08	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		249	mg/L	10	08/30/2023 16:42	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.37	mg/L	1	08/16/2023 11:41	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		31	mg/L	2	08/30/2023 16:38	R335780
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		139	mg/L	1	08/16/2023 16:50	210901
Magnesium	NELAP	0.0055	0.0500		64.2	mg/L	1	08/16/2023 16:50	210901
Potassium	NELAP	0.0400	0.100		0.966	mg/L	1	08/16/2023 16:50	210901
Sodium	NELAP	0.0180	0.0500		96.4	mg/L	1	08/16/2023 16:50	210901
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0008	0.0010		0.0014	mg/L	5	09/01/2023 7:13	210901
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/01/2023 7:13	210901
Barium	NELAP	0.0007	0.0010		0.0553	mg/L	5	09/08/2023 14:37	211078
Beryllium	NELAP	0.0002	0.0010	J	0.0003	mg/L	5	09/01/2023 7:13	210901
Boron	NELAP	0.0092	0.0200		0.0224	mg/L	5	09/01/2023 7:13	210901
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 7:13	210901
Chromium	NELAP	0.0007	0.0015		0.0016	mg/L	5	09/01/2023 7:13	210901
Cobalt	NELAP	0.0001	0.0010	J	0.0004	mg/L	5	09/01/2023 7:13	210901
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/07/2023 20:28	210901
Lithium	*	0.0015	0.0030		0.0104	mg/L	5	09/01/2023 7:13	210901
Molybdenum	*	0.0006	0.0015	J	0.0006	mg/L	5	09/01/2023 7:13	210901
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/01/2023 7:13	210901
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/01/2023 7:13	210901

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

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

Lab ID: 23071810-046

Client Sample ID: G276

Matrix: GROUNDWATER

Collection Date: 08/14/2023 12:35

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	08/23/2023 21:58	211199



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104
<http://www.teklabinc.com/>

Client: Ramboll
 Client Project: COF-23Q3
 Lab ID: 23071810-050
 Matrix: GROUNDWATER

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

Client Sample ID: G280
 Collection Date: 08/14/2023 14:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.80	ft	1	08/14/2023 14:58	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		8.5	NTU	1	08/14/2023 14:58	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		31	mV	1	08/14/2023 14:58	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1480	µS/cm	1	08/14/2023 14:58	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.5	°C	1	08/14/2023 14:58	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.01	mg/L	1	08/14/2023 14:58	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		7.45		1	08/14/2023 14:58	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		262	mg/L	1	08/16/2023 13:51	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/16/2023 13:51	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		594	mg/L	1	08/16/2023 11:08	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		91	mg/L	2	08/30/2023 16:44	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.31	mg/L	1	08/16/2023 11:39	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		70	mg/L	2	08/30/2023 16:45	R335780
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		79.5	mg/L	1	08/16/2023 16:51	210901
Magnesium	NELAP	0.0055	0.0500		36.6	mg/L	1	08/16/2023 16:51	210901
Potassium	NELAP	0.0400	0.100		0.539	mg/L	1	08/16/2023 16:51	210901
Sodium	NELAP	0.0180	0.0500		58.5	mg/L	1	08/16/2023 16:51	210901
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0008	0.0010	J	0.0009	mg/L	5	09/01/2023 7:20	210901
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/01/2023 7:20	210901
Barium	NELAP	0.0007	0.0010		0.0531	mg/L	5	09/08/2023 14:43	211078
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 7:20	210901
Boron	NELAP	0.0092	0.0200		< 0.0200	mg/L	5	09/01/2023 7:20	210901
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 7:20	210901
Chromium	NELAP	0.0007	0.0015	J	0.0013	mg/L	5	09/01/2023 7:20	210901
Cobalt	NELAP	0.0001	0.0010	J	0.0003	mg/L	5	09/01/2023 7:20	210901
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/07/2023 20:34	210901
Lithium	*	0.0015	0.0030		0.0044	mg/L	5	09/01/2023 7:20	210901
Molybdenum	*	0.0006	0.0015	J	0.0006	mg/L	5	09/01/2023 7:20	210901
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/01/2023 7:20	210901
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/01/2023 7:20	210901

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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

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

Lab ID: 23071810-050

Client Sample ID: G280

Matrix: GROUNDWATER

Collection Date: 08/14/2023 14:58

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	08/23/2023 22:03	211199



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-052
Matrix: GROUNDWATER

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

Client Sample ID: G283

Collection Date: 08/15/2023 11:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.45	ft	1	08/15/2023 11:45	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		10	NTU	1	08/15/2023 11:45	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-71	mV	1	08/15/2023 11:45	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2100	µS/cm	1	08/15/2023 11:45	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.8	°C	1	08/15/2023 11:45	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.53	mg/L	1	08/15/2023 11:45	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		7.07		1	08/15/2023 11:45	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		438	mg/L	1	08/17/2023 11:39	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/17/2023 11:39	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		825	mg/L	2.5	08/16/2023 11:44	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		250	mg/L	10	08/30/2023 17:06	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.37	mg/L	1	08/16/2023 12:25	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		39	mg/L	2	08/30/2023 17:01	R335780
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100	S	140	mg/L	1	08/17/2023 10:24	210926
Magnesium	NELAP	0.0055	0.0500		68.9	mg/L	1	08/17/2023 10:24	210926
Potassium	NELAP	0.0400	0.100		1.31	mg/L	1	08/17/2023 10:24	210926
Sodium	NELAP	0.0180	0.0500		55.4	mg/L	1	08/17/2023 10:24	210926
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0008	0.0010		< 0.0010	mg/L	5	08/30/2023 11:29	210926
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/13/2023 22:04	210926
Barium	NELAP	0.0007	0.0010		0.174	mg/L	5	09/13/2023 22:04	210926
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/13/2023 22:04	210926
Boron	NELAP	0.0092	0.0200		0.0545	mg/L	5	09/11/2023 11:31	210926
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/13/2023 22:04	210926
Chromium	NELAP	0.0007	0.0015		< 0.0015	mg/L	5	09/13/2023 22:04	210926
Cobalt	NELAP	0.0001	0.0010		< 0.0010	mg/L	5	08/30/2023 11:29	210926
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/13/2023 22:04	210926
Lithium	*	0.0015	0.0030		0.0102	mg/L	5	08/31/2023 19:13	210926
Molybdenum	*	0.0006	0.0015		0.0017	mg/L	5	09/13/2023 22:04	210926
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/30/2023 11:29	210926
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/30/2023 11:29	210926

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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-052
Matrix: GROUNDWATER

Work Order: 23071810
Report Date: 21-Nov-23
Client Sample ID: G283
Collection Date: 08/15/2023 11:45

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 11:19	211205



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-053
Matrix: GROUNDWATER

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

Client Sample ID: G284

Collection Date: 08/15/2023 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		12.28	ft	1	08/15/2023 10:10	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.0	NTU	1	08/15/2023 10:10	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		126	mV	1	08/15/2023 10:10	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1930	µS/cm	1	08/15/2023 10:10	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.0	°C	1	08/15/2023 10:10	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		4.05	mg/L	1	08/15/2023 10:10	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		7.16		1	08/15/2023 10:10	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		322	mg/L	1	08/17/2023 11:47	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/17/2023 11:47	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		656	mg/L	1	08/16/2023 12:39	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		174	mg/L	10	08/30/2023 17:30	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.62	mg/L	1	08/16/2023 14:31	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		32	mg/L	2	08/30/2023 17:25	R335780
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		72.5	mg/L	1	08/17/2023 10:27	210926
Magnesium	NELAP	0.0055	0.0500		34.6	mg/L	1	08/17/2023 10:27	210926
Potassium	NELAP	0.0400	0.100		0.572	mg/L	1	08/17/2023 10:27	210926
Sodium	NELAP	0.0180	0.0500		115	mg/L	1	08/17/2023 10:27	210926
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0008	0.0010		< 0.0010	mg/L	5	08/30/2023 10:56	210926
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/13/2023 20:38	210926
Barium	NELAP	0.0007	0.0010		0.0875	mg/L	5	09/13/2023 20:38	210926
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/13/2023 20:38	210926
Boron	NELAP	0.0092	0.0200		0.0840	mg/L	5	09/11/2023 11:18	210926
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/13/2023 20:38	210926
Chromium	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	09/13/2023 20:38	210926
Cobalt	NELAP	0.0001	0.0010	J	0.0001	mg/L	5	08/30/2023 10:56	210926
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/13/2023 20:38	210926
Lithium	*	0.0015	0.0030		0.0134	mg/L	5	09/01/2023 2:52	210926
Molybdenum	*	0.0006	0.0015		0.0599	mg/L	5	09/13/2023 20:38	210926
Selenium	NELAP	0.0006	0.0010		0.0051	mg/L	5	08/30/2023 10:56	210926
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/30/2023 10:56	210926

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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-053
Matrix: GROUNDWATER

Work Order: 23071810
Report Date: 21-Nov-23
Client Sample ID: G284
Collection Date: 08/15/2023 10:10

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 11:22	211205



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104
<http://www.teklabinc.com/>

Client: Ramboll
 Client Project: COF-23Q3
 Lab ID: 23071810-054
 Matrix: GROUNDWATER

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

Client Sample ID: G285
 Collection Date: 08/15/2023 11:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.44	ft	1	08/15/2023 11:04	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		7.3	NTU	1	08/15/2023 11:04	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		54	mV	1	08/15/2023 11:04	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		3430	µS/cm	1	08/15/2023 11:04	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.3	°C	1	08/15/2023 11:04	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.69	mg/L	1	08/15/2023 11:04	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		6.72		1	08/15/2023 11:04	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		638	mg/L	1	08/17/2023 13:01	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/17/2023 13:01	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1640	mg/L	1	08/16/2023 12:39	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		586	mg/L	20	08/30/2023 17:33	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.32	mg/L	1	08/16/2023 14:33	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		24	mg/L	1	09/01/2023 14:02	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		272	mg/L	1	08/17/2023 10:27	210926
Magnesium	NELAP	0.0055	0.0500		92.5	mg/L	1	08/17/2023 10:27	210926
Potassium	NELAP	0.0400	0.100		2.38	mg/L	1	08/17/2023 10:27	210926
Sodium	NELAP	0.0180	0.0500		128	mg/L	1	08/17/2023 10:27	210926
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0008	0.0010		< 0.0010	mg/L	5	08/30/2023 11:01	210926
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/13/2023 21:21	210926
Barium	NELAP	0.0007	0.0010		0.0455	mg/L	5	09/13/2023 21:21	210926
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/13/2023 21:21	210926
Boron	NELAP	0.0092	0.0200		0.114	mg/L	5	09/11/2023 11:25	210926
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/13/2023 21:21	210926
Chromium	NELAP	0.0007	0.0015	J	0.0008	mg/L	5	09/13/2023 21:21	210926
Cobalt	NELAP	0.0001	0.0010		0.0030	mg/L	5	08/30/2023 11:01	210926
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/13/2023 21:21	210926
Lithium	*	0.0015	0.0030		0.0051	mg/L	5	09/01/2023 4:28	210926
Molybdenum	*	0.0006	0.0015		0.0032	mg/L	5	09/13/2023 21:21	210926
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	08/30/2023 11:01	210926
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/30/2023 11:01	210926

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-054
Matrix: GROUNDWATER

Work Order: 23071810
Report Date: 21-Nov-23
Client Sample ID: G285
Collection Date: 08/15/2023 11:04

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 11:24	211205



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

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

Lab ID: 23071810-057

Client Sample ID: G288

Matrix: GROUNDWATER

Collection Date: 08/14/2023 13:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.70	ft	1	08/14/2023 13:36	R335486



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Lab ID: 23071810-093

Client Sample ID: MW20S

Matrix: GROUNDWATER

Collection Date: 08/08/2023 13:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.60	ft	1	08/08/2023 13:17	R335486



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104
<http://www.teklabinc.com/>

Client: Ramboll
 Client Project: COF-23Q3
 Lab ID: 23071810-103
 Matrix: LEACHATE

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

Client Sample ID: X201
 Collection Date: 08/15/2023 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.4	NTU	1	08/15/2023 12:53	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		229	mV	1	08/15/2023 12:53	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		37600	µS/cm	1	08/15/2023 12:53	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		26.2	°C	1	08/15/2023 12:53	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		7.66	mg/L	1	08/15/2023 12:53	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		4.39		1	08/15/2023 12:53	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		9	mg/L	1	08/17/2023 15:25	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	08/17/2023 15:25	R335189
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	160	200		17800	mg/L	10	08/17/2023 10:50	R335221
SW-846 9036 (TOTAL)									
Sulfate	NELAP	3070	5000		14900	mg/L	500	09/01/2023 15:03	R335914
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.37	1.00		31.2	mg/L	10	08/16/2023 15:13	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	25	200		1010	mg/L	50	09/01/2023 15:51	R335932
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0700	0.200		316	mg/L	2	08/18/2023 16:18	210926
Magnesium	NELAP	0.0110	0.100		1070	mg/L	2	08/18/2023 16:18	210926
Potassium	NELAP	0.800	2.00		165	mg/L	20	08/21/2023 14:37	210926
Sodium	NELAP	0.0360	0.100		575	mg/L	2	08/18/2023 16:18	210926
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.0008	0.0010	J	0.0009	mg/L	5	08/30/2023 12:31	210926
Arsenic	NELAP	0.0004	0.0010		0.0022	mg/L	5	09/13/2023 21:37	210926
Barium	NELAP	0.0007	0.0010		0.0379	mg/L	5	09/13/2023 21:37	210926
Beryllium	NELAP	0.0002	0.0010		0.0014	mg/L	5	09/13/2023 21:37	210926
Boron	NELAP	0.0092	0.0200		31.8	mg/L	5	09/15/2023 13:16	210926
Cadmium	NELAP	0.0002	0.0010		0.0197	mg/L	5	09/13/2023 21:37	210926
Chromium	NELAP	0.0007	0.0015		0.0080	mg/L	5	09/13/2023 21:37	210926
Cobalt	NELAP	0.0001	0.0010		0.0550	mg/L	5	08/30/2023 12:31	210926
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/13/2023 21:37	210926
Lithium	*	0.0015	0.0030		0.242	mg/L	5	08/30/2023 12:31	210926
Molybdenum	*	0.0006	0.0015		0.0301	mg/L	5	09/13/2023 21:37	210926
Selenium	NELAP	0.0006	0.0010		0.299	mg/L	5	08/30/2023 12:31	210926
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	08/30/2023 12:31	210926
<i>Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/24/2023 14:30	211205



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104
<http://www.teklabinc.com/>

Client: Ramboll
 Client Project: COF-23Q3
 Lab ID: 23071810-107
 Matrix: AQUEOUS

Work Order: 23071810
 Report Date: 21-Nov-23
 Client Sample ID: Field Blank
 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 CaCO ₃)	NELAP	0	0		2	mg/L	1	08/17/2023 13:33	R335189
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	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
<i>Results have less certainty - Client Requested Quantitation Limit for Boron is below the method limit of quantitation.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		< 0.00020	mg/L	1	08/24/2023 11:44	211205



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-110
Matrix: GROUNDWATER

Work Order: 23071810
Report Date: 21-Nov-23
Client Sample ID: G273 Duplicate
Collection Date: 08/14/2023 14:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		11.56	ft	1	08/14/2023 14:32	R335486
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.2	NTU	1	08/14/2023 14:32	R335486
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		103	mV	1	08/14/2023 14:32	R335486
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2060	µS/cm	1	08/14/2023 14:32	R335486
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.6	°C	1	08/14/2023 14:32	R335486
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.06	mg/L	1	08/14/2023 14:32	R335486
SW-846 9040B FIELD									
pH	*	0	1.00		6.76		1	08/14/2023 14:32	R335486
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		371	mg/L	1	08/16/2023 14:46	R335113
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/16/2023 14:46	R335113
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1210	mg/L	1	08/16/2023 11:44	R335171
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		486	mg/L	10	08/31/2023 0:10	R335764
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.32	mg/L	1	08/16/2023 12:33	R335102
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		66	mg/L	10	08/31/2023 0:10	R335780
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.0350	0.100		165	mg/L	1	08/16/2023 16:54	210901
Magnesium	NELAP	0.0055	0.0500		82.6	mg/L	1	08/16/2023 16:54	210901
Potassium	NELAP	0.0400	0.100		0.550	mg/L	1	08/16/2023 16:54	210901
Sodium	NELAP	0.0180	0.0500		102	mg/L	1	08/16/2023 16:54	210901
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.0008	0.0010		< 0.0010	mg/L	5	09/01/2023 7:45	210901
Arsenic	NELAP	0.0004	0.0010		< 0.0010	mg/L	5	09/01/2023 7:45	210901
Barium	NELAP	0.0007	0.0010		0.0340	mg/L	5	09/08/2023 16:19	211078
Beryllium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 7:45	210901
Boron	NELAP	0.0092	0.0200		0.0675	mg/L	5	09/01/2023 7:45	210901
Cadmium	NELAP	0.0002	0.0010		< 0.0010	mg/L	5	09/01/2023 7:45	210901
Chromium	NELAP	0.0007	0.0015	J	0.0007	mg/L	5	09/01/2023 7:45	210901
Cobalt	NELAP	0.0001	0.0010	J	0.0001	mg/L	5	09/01/2023 7:45	210901
Lead	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/07/2023 21:32	210901
Lithium	*	0.0015	0.0030		0.0068	mg/L	5	09/01/2023 7:45	210901
Molybdenum	*	0.0006	0.0015	J	0.0008	mg/L	5	09/01/2023 7:45	210901
Selenium	NELAP	0.0006	0.0010		< 0.0010	mg/L	5	09/01/2023 7:45	210901
Thallium	NELAP	0.0010	0.0020		< 0.0020	mg/L	5	09/01/2023 7:45	210901

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-110
Matrix: GROUNDWATER

Work Order: 23071810
Report Date: 21-Nov-23
Client Sample ID: G273 Duplicate
Collection Date: 08/14/2023 14:32

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 9:58	211199



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071810-114
Matrix: GROUNDWATER

Work Order: 23071810
Report Date: 21-Nov-23
Client Sample ID: X201 (resample)
Collection Date: 09/19/2023 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		35.29	ft	1	09/19/2023 10:17	R335486



Sample Summary

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

Client: Ramboll
Client Project: COF-23Q3

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

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23071810-039	G270	Groundwater	7	08/14/2023 13:45
23071810-040	G271	Groundwater	7	08/14/2023 13:15
23071810-041	G272	Groundwater	1	08/14/2023 14:11
23071810-042	G273	Groundwater	7	08/14/2023 14:32
23071810-043	G274	Groundwater	1	08/14/2023 12:00
23071810-044	G275	Groundwater	7	08/14/2023 0:00
23071810-045	G275D	Groundwater	6	08/14/2023 11:19
23071810-046	G276	Groundwater	7	08/14/2023 12:35
23071810-047	G277	Groundwater	7	08/14/2023 0:00
23071810-049	G279	Groundwater	7	08/14/2023 0:00
23071810-050	G280	Groundwater	7	08/14/2023 14:58
23071810-052	G283	Groundwater	6	08/15/2023 11:45
23071810-053	G284	Groundwater	6	08/15/2023 10:10
23071810-054	G285	Groundwater	6	08/15/2023 11:04
23071810-055	G286	Groundwater	1	08/08/2023 13:42
23071810-056	G287	Groundwater	1	08/08/2023 0:00
23071810-057	G288	Groundwater	1	08/14/2023 13:36
23071810-093	MW20S	Groundwater	1	08/08/2023 13:17
23071810-100	SG-04	Groundwater	1	08/08/2023 0:00
23071810-103	X201	Leachate	6	08/15/2023 12:53
23071810-107	Field Blank	Aqueous	8	08/15/2023 10:35
23071810-110	G273 Duplicate	Groundwater	7	08/14/2023 14:32
23071810-114	X201 (resample)	Groundwater	2	09/19/2023 10:17



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23071810-039A	G270	08/14/2023 13:45	08/14/2023 18:10		
	Ferrous Iron by CHEMets Kit				08/14/2023 13:45
	Field Elevation Measurements				08/14/2023 13:45
	Standard Methods 2130 B Field				08/14/2023 13:45
	Standard Methods 18th Ed. 2580 B Field				08/14/2023 13:45
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 13:10
	Standard Methods 2320 B 1997, 2011				08/16/2023 13:10
	Standard Methods 2510 B Field				08/14/2023 13:45
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 10:29
	Standard Methods 2550 B Field				08/14/2023 13:45
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 16:30
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 12:59
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-O G Field				08/14/2023 13:45
	Standard Methods 4500-P E 1999				08/15/2023 12:47
	Standard Methods 4500-P E 1999, 2011				08/15/2023 12:56
	SW-846 9036 (Total)				08/29/2023 23:29
	SW-846 9040B Field				08/14/2023 13:45
	SW-846 9214 (Total)				08/16/2023 11:19
	SW-846 9251 (Total)				08/29/2023 23:30
23071810-039B	G270	08/14/2023 13:45	08/14/2023 18:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/16/2023 9:53
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/16/2023 9:53
	Standard Methods 2550 B Field				08/14/2023 13:45
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 16:33
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/15/2023 13:59
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/15/2023 12:57
	Standard Methods 4500-P E (Dissolved) 1999				08/15/2023 12:47
	SW-846 9036 (Dissolved)				08/23/2023 15:32
	SW-846 9214 (Dissolved)				08/16/2023 10:07
	SW-846 9251 (Dissolved)				08/21/2023 23:52
23071810-039C	G270	08/14/2023 13:45	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 11:12	08/16/2023 16:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/01/2023 6:03
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/07/2023 18:46
	SW-846 7470A (Total)			08/15/2023 15:17	08/16/2023 16:10



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
23071810-039D	G270	08/14/2023 13:45	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 11:21	08/16/2023 17:12
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/01/2023 17:11
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 3:14
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 22:47
	SW-846 7470A (Dissolved)			08/15/2023 15:17	08/16/2023 16:12
23071810-039E	G270	08/14/2023 13:45	08/14/2023 18:10		
	SW-846 9012A (Total)			08/15/2023 20:13	08/16/2023 12:11
23071810-039F	G270	08/14/2023 13:45	08/14/2023 18:10		
	SW-846 9060A				09/05/2023 17:35
	SW-846 9066 (Total)				08/21/2023 13:56
23071810-039G	G270	08/14/2023 13:45	08/14/2023 18:10		
	SW-846 9060A				08/28/2023 23:49
23071810-040A	G271	08/14/2023 13:15	08/14/2023 18:10		
	Ferrous Iron by CHEMets Kit				08/14/2023 13:15
	Field Elevation Measurements				08/14/2023 13:15
	Standard Methods 2130 B Field				08/14/2023 13:15
	Standard Methods 18th Ed. 2580 B Field				08/14/2023 13:15
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 13:17
	Standard Methods 2320 B 1997, 2011				08/16/2023 13:17
	Standard Methods 2510 B Field				08/14/2023 13:15
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 11:07
	Standard Methods 2550 B Field				08/14/2023 13:15
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 16:28
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 13:02
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-O G Field				08/14/2023 13:15
	Standard Methods 4500-P E 1999				08/15/2023 12:47
	Standard Methods 4500-P E 1999, 2011				08/15/2023 13:12
	SW-846 9036 (Total)				08/29/2023 23:42
	SW-846 9040B Field				08/14/2023 13:15
	SW-846 9214 (Total)				08/16/2023 11:54
	SW-846 9251 (Total)				08/29/2023 23:38
23071810-040B	G271	08/14/2023 13:15	08/14/2023 18:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/16/2023 10:00
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/16/2023 10:00
	Standard Methods 2550 B Field				08/14/2023 13:15



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 16:33
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/15/2023 14:02
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/15/2023 13:12
	Standard Methods 4500-P E (Dissolved) 1999				08/15/2023 12:47
	SW-846 9036 (Dissolved)				08/22/2023 0:05
	SW-846 9214 (Dissolved)				08/16/2023 10:09
	SW-846 9251 (Dissolved)				08/22/2023 0:00
23071810-040C	G271	08/14/2023 13:15	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 11:12	08/16/2023 16:42
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/18/2023 17:39	08/21/2023 20:43
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/01/2023 5:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/07/2023 18:52
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/18/2023 17:39	09/08/2023 14:17
	SW-846 7470A (Total)			08/15/2023 15:17	08/16/2023 16:14
23071810-040D	G271	08/14/2023 13:15	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 11:21	08/16/2023 17:13
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/01/2023 17:18
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 3:57
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 22:53
	SW-846 7470A (Dissolved)			08/15/2023 15:17	08/16/2023 16:21
23071810-040E	G271	08/14/2023 13:15	08/14/2023 18:10		
	SW-846 9012A (Total)			08/15/2023 20:13	08/16/2023 12:20
23071810-040F	G271	08/14/2023 13:15	08/14/2023 18:10		
	SW-846 9060A				09/05/2023 17:41
	SW-846 9066 (Total)				08/21/2023 14:06
23071810-040G	G271	08/14/2023 13:15	08/14/2023 18:10		
	SW-846 9060A				08/29/2023 0:25
23071810-041A	G272	08/14/2023 14:11	08/14/2023 18:10		
	Field Elevation Measurements				08/14/2023 14:11
	Standard Methods 2130 B Field				08/14/2023 14:11
	Standard Methods 18th Ed. 2580 B Field				08/14/2023 14:11
	Standard Methods 2510 B Field				08/14/2023 14:11
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 11:07
	Standard Methods 2550 B Field				08/14/2023 14:11
	Standard Methods 4500-O G Field				08/14/2023 14:11
	SW-846 9036 (Total)				08/29/2023 23:51



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 9040B Field				08/14/2023 14:11
	SW-846 9214 (Total)				08/16/2023 11:56
	SW-846 9251 (Total)				08/29/2023 23:46
23071810-042A	G273	08/14/2023 14:32	08/14/2023 18:10		
	Ferrous Iron by CHEMets Kit				08/14/2023 14:32
	Field Elevation Measurements				08/14/2023 14:32
	Standard Methods 2130 B Field				08/14/2023 14:32
	Standard Methods 18th Ed. 2580 B Field				08/14/2023 14:32
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 13:26
	Standard Methods 2320 B 1997, 2011				08/16/2023 13:26
	Standard Methods 2510 B Field				08/14/2023 14:32
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 11:07
	Standard Methods 2550 B Field				08/14/2023 14:32
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 16:28
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 13:04
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-O G Field				08/14/2023 14:32
	Standard Methods 4500-P E 1999				08/15/2023 12:47
	Standard Methods 4500-P E 1999, 2011				08/15/2023 13:12
	SW-846 9036 (Total)				08/29/2023 19:43
	SW-846 9040B Field				08/14/2023 14:32
	SW-846 9214 (Total)				08/16/2023 11:58
	SW-846 9251 (Total)				08/29/2023 19:43
23071810-042B	G273	08/14/2023 14:32	08/14/2023 18:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/16/2023 10:07
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/16/2023 10:07
	Standard Methods 2550 B Field				08/14/2023 14:32
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 16:34
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/15/2023 14:04
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/15/2023 13:12
	Standard Methods 4500-P E (Dissolved) 1999				08/15/2023 12:47
	SW-846 9036 (Dissolved)				08/22/2023 0:22
	SW-846 9214 (Dissolved)				08/16/2023 10:11
	SW-846 9251 (Dissolved)				08/22/2023 0:22
23071810-042C	G273	08/14/2023 14:32	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 11:12	08/16/2023 16:44
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/18/2023 17:39	08/21/2023 20:46



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/01/2023 6:09
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/07/2023 19:05
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/18/2023 17:39	09/08/2023 14:56
	SW-846 7470A (Total)			08/15/2023 15:17	08/16/2023 16:28
23071810-042D	G273	08/14/2023 14:32	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 11:21	08/16/2023 17:19
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/01/2023 17:30
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 4:08
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 21:20
	SW-846 7470A (Dissolved)			08/15/2023 15:17	08/16/2023 16:30
23071810-042E	G273	08/14/2023 14:32	08/14/2023 18:10		
	SW-846 9012A (Total)			08/15/2023 20:13	08/16/2023 9:05
23071810-042F	G273	08/14/2023 14:32	08/14/2023 18:10		
	SW-846 9060A				09/05/2023 17:47
	SW-846 9066 (Total)				08/21/2023 14:14
23071810-042G	G273	08/14/2023 14:32	08/14/2023 18:10		
	SW-846 9060A				08/29/2023 0:32
23071810-043A	G274	08/14/2023 12:00	08/14/2023 18:10		
	Field Elevation Measurements				08/14/2023 12:00
	Standard Methods 2130 B Field				08/14/2023 12:00
	Standard Methods 18th Ed. 2580 B Field				08/14/2023 12:00
	Standard Methods 2510 B Field				08/14/2023 12:00
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 11:07
	Standard Methods 2550 B Field				08/14/2023 12:00
	Standard Methods 4500-O G Field				08/14/2023 12:00
	SW-846 9036 (Total)				08/30/2023 16:05
	SW-846 9040B Field				08/14/2023 12:00
	SW-846 9214 (Total)				08/16/2023 11:45
	SW-846 9251 (Total)				08/30/2023 15:55
23071810-045A	G275D	08/14/2023 11:19	08/14/2023 18:10		
	Ferrous Iron by CHEMets Kit				08/14/2023 11:50
	Field Elevation Measurements				08/14/2023 11:50
	Standard Methods 2130 B Field				08/14/2023 11:50
	Standard Methods 18th Ed. 2580 B Field				08/14/2023 11:50
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 13:34
	Standard Methods 2320 B 1997, 2011				08/16/2023 13:34
	Standard Methods 2510 B Field				08/14/2023 11:50



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 11:08
	Standard Methods 2550 B Field				08/14/2023 11:50
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 16:29
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 13:07
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-O G Field				08/14/2023 11:50
	Standard Methods 4500-P E 1999				08/15/2023 12:47
	Standard Methods 4500-P E 1999, 2011				08/15/2023 13:13
	SW-846 9036 (Total)				08/30/2023 16:34
	SW-846 9040B Field				08/14/2023 11:50
	SW-846 9214 (Total)				08/16/2023 11:43
	SW-846 9251 (Total)				08/30/2023 16:30
23071810-045B	G275D	08/14/2023 11:19	08/14/2023 18:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 9:35
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 9:35
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 16:35
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/15/2023 14:06
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/15/2023 13:14
	Standard Methods 4500-P E (Dissolved) 1999				08/15/2023 12:47
	SW-846 9036 (Dissolved)				08/23/2023 16:54
	SW-846 9251 (Dissolved)				08/23/2023 16:49
23071810-045C	G275D	08/14/2023 11:19	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 11:12	08/16/2023 16:50
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 11:12	08/18/2023 15:51
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/01/2023 6:22
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/07/2023 20:22
	SW-846 7470A (Total)			08/22/2023 13:22	08/23/2023 21:51
23071810-045D	G275D	08/14/2023 11:19	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 11:21	08/16/2023 17:20
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 4:19
23071810-045E	G275D	08/14/2023 11:19	08/14/2023 18:10		
	SW-846 9060A				09/05/2023 17:53
23071810-045F	G275D	08/14/2023 11:19	08/14/2023 18:10		
	SW-846 9060A				08/29/2023 0:37
23071810-046A	G276	08/14/2023 12:35	08/14/2023 18:10		
	Ferrous Iron by CHEMets Kit				08/14/2023 12:35



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Field Elevation Measurements				08/14/2023 12:35
	Standard Methods 2130 B Field				08/14/2023 12:35
	Standard Methods 18th Ed. 2580 B Field				08/14/2023 12:35
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 13:43
	Standard Methods 2320 B 1997, 2011				08/16/2023 13:43
	Standard Methods 2510 B Field				08/14/2023 12:35
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 11:08
	Standard Methods 2550 B Field				08/14/2023 12:35
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 16:27
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 13:22
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-O G Field				08/14/2023 12:35
	Standard Methods 4500-P E 1999				08/15/2023 12:47
	Standard Methods 4500-P E 1999, 2011				08/15/2023 13:17
	SW-846 9036 (Total)				08/30/2023 16:42
	SW-846 9040B Field				08/14/2023 12:35
	SW-846 9214 (Total)				08/16/2023 11:41
	SW-846 9251 (Total)				08/30/2023 16:38
23071810-046B	G276	08/14/2023 12:35	08/14/2023 18:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/16/2023 10:14
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/16/2023 10:14
	Standard Methods 2550 B Field				08/14/2023 12:35
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 16:30
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/15/2023 14:08
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/15/2023 13:18
	Standard Methods 4500-P E (Dissolved) 1999				08/15/2023 12:47
	SW-846 9036 (Dissolved)				08/23/2023 17:02
	SW-846 9214 (Dissolved)				08/16/2023 10:20
	SW-846 9251 (Dissolved)				08/23/2023 16:57
23071810-046C	G276	08/14/2023 12:35	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 11:12	08/16/2023 16:50
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/18/2023 17:39	08/21/2023 20:53
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/01/2023 7:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/07/2023 20:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/18/2023 17:39	09/08/2023 14:37
	SW-846 7470A (Total)			08/22/2023 13:22	08/23/2023 21:58
23071810-046D	G276	08/14/2023 12:35	08/14/2023 18:10		



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 11:21	08/16/2023 17:21
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/01/2023 18:47
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 4:24
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 21:31
	SW-846 7470A (Dissolved)			08/22/2023 13:22	08/23/2023 22:01
23071810-046E	G276	08/14/2023 12:35	08/14/2023 18:10		
	SW-846 9012A (Total)			08/15/2023 20:13	08/16/2023 12:33
23071810-046F	G276	08/14/2023 12:35	08/14/2023 18:10		
	SW-846 9060A				09/05/2023 18:05
	SW-846 9066 (Total)				08/21/2023 17:33
23071810-046G	G276	08/14/2023 12:35	08/14/2023 18:10		
	SW-846 9060A				08/29/2023 0:43
23071810-050A	G280	08/14/2023 14:58	08/14/2023 18:10		
	Ferrous Iron by CHEMets Kit				08/14/2023 14:58
	Field Elevation Measurements				08/14/2023 14:58
	Standard Methods 2130 B Field				08/14/2023 14:58
	Standard Methods 18th Ed. 2580 B Field				08/14/2023 14:58
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 13:51
	Standard Methods 2320 B 1997, 2011				08/16/2023 13:51
	Standard Methods 2510 B Field				08/14/2023 14:58
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 11:08
	Standard Methods 2550 B Field				08/14/2023 14:58
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 16:26
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 13:24
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-O G Field				08/14/2023 14:58
	Standard Methods 4500-P E 1999				08/15/2023 12:47
	Standard Methods 4500-P E 1999, 2011				08/15/2023 13:34
	SW-846 9036 (Total)				08/30/2023 16:44
	SW-846 9040B Field				08/14/2023 14:58
	SW-846 9214 (Total)				08/16/2023 11:39
	SW-846 9251 (Total)				08/30/2023 16:45
23071810-050B	G280	08/14/2023 14:58	08/14/2023 18:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 9:45
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 9:45
	Standard Methods 2550 B Field				08/14/2023 14:58
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 16:32



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 12:28
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 12:28
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/15/2023 13:35
	Standard Methods 4500-P E (Dissolved) 1999				08/15/2023 12:47
	SW-846 9036 (Dissolved)				08/23/2023 17:05
	SW-846 9214 (Dissolved)				08/16/2023 15:37
	SW-846 9251 (Dissolved)				08/23/2023 17:05
23071810-050C	G280	08/14/2023 14:58	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 11:50	08/16/2023 16:51
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/18/2023 17:39	08/21/2023 21:02
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:50	09/01/2023 7:20
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:50	09/07/2023 20:34
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/18/2023 17:39	09/08/2023 14:43
	SW-846 7470A (Total)			08/22/2023 13:22	08/23/2023 22:03
23071810-050D	G280	08/14/2023 14:58	08/14/2023 18:10		
	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 18:53
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 4:30
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 21:36
	SW-846 7470A (Dissolved)			08/22/2023 13:22	08/23/2023 22:05
23071810-050E	G280	08/14/2023 14:58	08/14/2023 18:10		
	SW-846 9012A (Total)			08/15/2023 20:13	08/16/2023 12:37
23071810-050F	G280	08/14/2023 14:58	08/14/2023 18:10		
	SW-846 9060A				09/05/2023 18:11
	SW-846 9066 (Total)				08/21/2023 14:31
23071810-050G	G280	08/14/2023 14:58	08/14/2023 18:10		
	SW-846 9060A				08/29/2023 0:50
23071810-052A	G283	08/15/2023 11:45	08/15/2023 15:18		
	Ferrous Iron by CHEMets Kit				08/15/2023 11:45
	Field Elevation Measurements				08/15/2023 11:45
	Standard Methods 2130 B Field				08/15/2023 11:45
	Standard Methods 18th Ed. 2580 B Field				08/15/2023 11:45
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 11:39
	Standard Methods 2320 B 1997, 2011				08/17/2023 11:39
	Standard Methods 2510 B Field				08/15/2023 11:45
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 11:44
	Standard Methods 2550 B Field				08/15/2023 11:45



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 21:02
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:11
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:11
	Standard Methods 4500-O G Field				08/15/2023 11:45
	Standard Methods 4500-P E 1999				08/16/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/16/2023 13:31
	SW-846 9036 (Total)				08/30/2023 17:06
	SW-846 9040B Field				08/15/2023 11:45
	SW-846 9214 (Total)				08/16/2023 12:25
	SW-846 9251 (Total)				08/30/2023 17:01
23071810-052B	G283	08/15/2023 11:45	08/15/2023 15:18		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 10:12
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 10:12
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 20:58
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 13:01
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 13:01
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/16/2023 13:32
	Standard Methods 4500-P E (Dissolved) 1999				08/16/2023 0:00
	SW-846 9036 (Dissolved)				08/23/2023 17:26
	SW-846 9251 (Dissolved)				08/23/2023 17:21
23071810-052C	G283	08/15/2023 11:45	08/15/2023 15:18		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 18:29	08/17/2023 10:24
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	08/30/2023 11:29
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	08/31/2023 19:13
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/11/2023 11:31
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/13/2023 22:04
	SW-846 7470A (Total)			08/22/2023 13:27	08/24/2023 11:19
23071810-052D	G283	08/15/2023 11:45	08/15/2023 15:18		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 9:52
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 16:02
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/08/2023 16:38
23071810-052E	G283	08/15/2023 11:45	08/15/2023 15:18		
	SW-846 9060A				09/05/2023 18:53
23071810-052F	G283	08/15/2023 11:45	08/15/2023 15:18		
	SW-846 9060A				08/29/2023 1:01
23071810-053A	G284	08/15/2023 10:10	08/15/2023 15:18		
	Ferrous Iron by CHEMets Kit				08/15/2023 10:10



Dates Report

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

Client: Ramboll
Client Project: COF-23Q3

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

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	Field Elevation Measurements				08/15/2023 10:10
	Standard Methods 2130 B Field				08/15/2023 10:10
	Standard Methods 18th Ed. 2580 B Field				08/15/2023 10:10
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 11:47
	Standard Methods 2320 B 1997, 2011				08/17/2023 11:47
	Standard Methods 2510 B Field				08/15/2023 10:10
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 12:39
	Standard Methods 2550 B Field				08/15/2023 10:10
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 21:03
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:14
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:14
	Standard Methods 4500-O G Field				08/15/2023 10:10
	Standard Methods 4500-P E 1999				08/16/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/16/2023 13:32
	SW-846 9036 (Total)				08/30/2023 17:30
	SW-846 9040B Field				08/15/2023 10:10
	SW-846 9214 (Total)				08/16/2023 14:31
	SW-846 9251 (Total)				08/30/2023 17:25
23071810-053B	G284	08/15/2023 10:10	08/15/2023 15:18		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 10:19
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 10:19
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 20:59
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 13:03
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 13:03
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/16/2023 13:39
	Standard Methods 4500-P E (Dissolved) 1999				08/16/2023 0:00
	SW-846 9036 (Dissolved)				08/23/2023 17:55
	SW-846 9251 (Dissolved)				08/23/2023 17:45
23071810-053C	G284	08/15/2023 10:10	08/15/2023 15:18		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 18:29	08/17/2023 10:27
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	08/30/2023 10:56
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/01/2023 2:52
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/11/2023 11:18
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/13/2023 20:38
	SW-846 7470A (Total)			08/22/2023 13:27	08/24/2023 11:22
23071810-053D	G284	08/15/2023 10:10	08/15/2023 15:18		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 10:05
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 16:03



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/08/2023 16:44
23071810-053E	G284	08/15/2023 10:10	08/15/2023 15:18		
	SW-846 9060A				09/05/2023 19:11
23071810-053F	G284	08/15/2023 10:10	08/15/2023 15:18		
	SW-846 9060A				08/29/2023 1:08
23071810-054A	G285	08/15/2023 11:04	08/15/2023 15:18		
	Ferrous Iron by CHEMets Kit				08/15/2023 11:04
	Field Elevation Measurements				08/15/2023 11:04
	Standard Methods 2130 B Field				08/15/2023 11:04
	Standard Methods 18th Ed. 2580 B Field				08/15/2023 11:04
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 13:01
	Standard Methods 2320 B 1997, 2011				08/17/2023 13:01
	Standard Methods 2510 B Field				08/15/2023 11:04
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 12:39
	Standard Methods 2550 B Field				08/15/2023 11:04
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 21:05
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:16
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:16
	Standard Methods 4500-O G Field				08/15/2023 11:04
	Standard Methods 4500-P E 1999				08/16/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/16/2023 13:40
	SW-846 9036 (Total)				08/30/2023 17:33
	SW-846 9040B Field				08/15/2023 11:04
	SW-846 9214 (Total)				08/16/2023 14:33
	SW-846 9251 (Total)				09/01/2023 14:02
23071810-054B	G285	08/15/2023 11:04	08/15/2023 15:18		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 10:27
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 10:27
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 20:59
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 13:06
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 13:06
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/16/2023 13:41
	Standard Methods 4500-P E (Dissolved) 1999				08/16/2023 0:00
	SW-846 9036 (Dissolved)				08/29/2023 12:37
	SW-846 9251 (Dissolved)				08/23/2023 18:07
23071810-054C	G285	08/15/2023 11:04	08/15/2023 15:18		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 18:29	08/17/2023 10:27



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	08/30/2023 11:01
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/01/2023 4:28
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/11/2023 11:25
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/13/2023 21:21
	SW-846 7470A (Total)			08/22/2023 13:27	08/24/2023 11:24
23071810-054D	G285	08/15/2023 11:04	08/15/2023 15:18		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 10:06
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 16:03
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/08/2023 17:35
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/11/2023 17:06
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/13/2023 13:03
23071810-054E	G285	08/15/2023 11:04	08/15/2023 15:18		
	SW-846 9060A				09/05/2023 19:17
23071810-054F	G285	08/15/2023 11:04	08/15/2023 15:18		
	SW-846 9060A				08/29/2023 1:13
23071810-057A	G288	08/14/2023 13:36	08/14/2023 18:10		
	Field Elevation Measurements				08/14/2023 13:36
23071810-093A	MW20S	08/08/2023 13:17	08/09/2023 17:52		
	Field Elevation Measurements				08/08/2023 13:17
23071810-103A	X201	08/15/2023 12:53	08/15/2023 15:18		
	Standard Methods 2130 B Field				08/15/2023 12:53
	Standard Methods 18th Ed. 2580 B Field				08/15/2023 12:53
	Standard Methods 2320 B (Total) 1997, 2011				08/17/2023 15:25
	Standard Methods 2320 B 1997, 2011				08/17/2023 15:25
	Standard Methods 2510 B Field				08/15/2023 12:53
	Standard Methods 2540 C (Total) 1997, 2011				08/17/2023 10:50
	Standard Methods 2550 B Field				08/15/2023 12:53
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 21:06
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:20
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/16/2023 14:20
	Standard Methods 4500-O G Field				08/15/2023 12:53
	Standard Methods 4500-P E 1999				08/16/2023 0:00
	Standard Methods 4500-P E 1999, 2011				08/16/2023 13:49
	SW-846 9036 (Total)				09/01/2023 15:03
	SW-846 9040B Field				08/15/2023 12:53
	SW-846 9214 (Total)				08/16/2023 15:13
	SW-846 9251 (Total)				09/01/2023 15:51



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
23071810-103B	X201	08/15/2023 12:53	08/15/2023 15:18		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 11:23
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 11:23
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 21:00
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 13:10
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 13:10
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/16/2023 13:50
	Standard Methods 4500-P E (Dissolved) 1999				08/16/2023 0:00
	SW-846 9036 (Dissolved)				09/01/2023 15:14
	SW-846 9251 (Dissolved)				08/29/2023 18:13
23071810-103C	X201	08/15/2023 12:53	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 16:17
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 18:29	08/18/2023 16:18
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 18:29	08/21/2023 14:37
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 18:29	08/21/2023 14:38
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	08/30/2023 12:31
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/13/2023 21:37
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/13/2023 22:42
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/15/2023 13:11
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 18:29	09/15/2023 13:16
	SW-846 7470A (Total)			08/22/2023 13:27	08/24/2023 14:30
23071810-103D	X201	08/15/2023 12:53	08/15/2023 15:18		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/16/2023 10:08
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/18/2023 15:53
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/18/2023 15:54
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/21/2023 14:35
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 19:44	08/21/2023 14:36
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/08/2023 17:42
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/13/2023 18:22
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 19:44	09/13/2023 18:39
23071810-103E	X201	08/15/2023 12:53	08/15/2023 15:18		
	SW-846 9060A				09/07/2023 14:26
23071810-103F	X201	08/15/2023 12:53	08/15/2023 15:18		
	SW-846 9060A				09/07/2023 14:32
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



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	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
	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		



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	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
23071810-110A	G273 Duplicate	08/14/2023 14:32	08/14/2023 18:10		
	Ferrous Iron by CHEMets Kit				08/14/2023 14:32
	Field Elevation Measurements				08/14/2023 14:32
	Standard Methods 2130 B Field				08/14/2023 14:32
	Standard Methods 18th Ed. 2580 B Field				08/14/2023 14:32
	Standard Methods 2320 B (Total) 1997, 2011				08/16/2023 14:46
	Standard Methods 2320 B 1997, 2011				08/16/2023 14:46
	Standard Methods 2510 B Field				08/14/2023 14:32
	Standard Methods 2540 C (Total) 1997, 2011				08/16/2023 11:44
	Standard Methods 2550 B Field				08/14/2023 14:32
	Standard Methods 4500-NO2 B (Total) 2000, 2011				08/15/2023 16:30
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 13:31
	Standard Methods 4500-NO3 F (Total) 2000, 2011				08/15/2023 15:14
	Standard Methods 4500-O G Field				08/14/2023 14:32
	Standard Methods 4500-P E 1999				08/15/2023 12:47
	Standard Methods 4500-P E 1999, 2011				08/15/2023 13:40
	SW-846 9036 (Total)				08/31/2023 0:10
	SW-846 9040B Field				08/14/2023 14:32
	SW-846 9214 (Total)				08/16/2023 12:33
	SW-846 9251 (Total)				08/31/2023 0:10
23071810-110B	G273 Duplicate	08/14/2023 14:32	08/14/2023 18:10		
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 11:31
	Standard Methods 2320 B (Dissolved) 1997, 2011				08/17/2023 11:31
	Standard Methods 2550 B Field				08/14/2023 14:32
	Standard Methods 4500-NO2 B (Dissolved) 2000, 2011				08/15/2023 16:35
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 12:37
	Standard Methods 4500-NO3 F (Dissolved) 2000, 2011				08/16/2023 12:37
	Standard Methods 4500-P E (Dissolved) 1999, 2011				08/15/2023 13:41
	Standard Methods 4500-P E (Dissolved) 1999				08/15/2023 12:47



Dates Report

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 9036 (Dissolved)				08/24/2023 1:55
	SW-846 9214 (Dissolved)				08/16/2023 15:44
	SW-846 9251 (Dissolved)				08/24/2023 1:50
23071810-110C	G273 Duplicate	08/14/2023 14:32	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/15/2023 11:12	08/16/2023 16:54
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/18/2023 17:39	08/21/2023 21:05
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/01/2023 7:45
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/15/2023 11:12	09/07/2023 21:32
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			08/18/2023 17:39	09/08/2023 16:19
	SW-846 7470A (Total)			08/22/2023 13:22	08/24/2023 9:58
23071810-110D	G273 Duplicate	08/14/2023 14:32	08/14/2023 18:10		
	SW-846 3005A, 6010B, Metals by ICP (Dissolved)			08/15/2023 11:21	08/16/2023 17:29
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/01/2023 19:18
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 5:51
	SW-846 3005A, 6020A, Metals by ICPMS (Dissolved)			08/15/2023 11:21	09/14/2023 21:58
	SW-846 7470A (Dissolved)			08/22/2023 13:22	08/24/2023 10:00
23071810-110E	G273 Duplicate	08/14/2023 14:32	08/14/2023 18:10		
	SW-846 9012A (Total)			08/16/2023 20:03	08/17/2023 11:37
23071810-110F	G273 Duplicate	08/14/2023 14:32	08/14/2023 18:10		
	SW-846 9060A				09/01/2023 2:50
	SW-846 9066 (Total)				08/21/2023 15:01
23071810-110G	G273 Duplicate	08/14/2023 14:32	08/14/2023 18:10		
	SW-846 9060A				08/31/2023 17:15
23071810-114A	X201 (resample)	09/19/2023 10:17	09/19/2023 13:12		
	Ferrous Iron by CHEMets Kit				09/19/2023 10:17
	Field Elevation Measurements				09/19/2023 10:17
23071810-114B	X201 (resample)	09/19/2023 10:17	09/19/2023 13:12		
	SW-846 3005A, 6020A, Metals by ICPMS (Total)			09/19/2023 16:18	09/20/2023 14:38



Quality Control Results

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

STANDARD METHODS 2510 B FIELD

Batch R335486		SampType: LCS		Units $\mu\text{S/cm}$							
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 $\mu\text{S/cm}$							
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 $\mu\text{S/cm}$							
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 $\mu\text{S/cm}$							
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 $\mu\text{S/cm}$							
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 $\mu\text{S/cm}$							
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 $\mu\text{S/cm}$							
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 $\mu\text{S/cm}$							
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	



Quality Control Results

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

Client: Ramboll

Work Order: 23071810

Client Project: COF-23Q3

Report Date: 21-Nov-23

SW-846 9040B FIELD

Batch R335486		SampType: LCS		Units							Date
SampID: LCS 1-3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.10	7.000	0	101.4	98.57	101.4		08/09/2023

Batch R335486		SampType: LCS		Units							Date
SampID: LCS 2-3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4		08/10/2023

Batch R335486		SampType: LCS		Units							Date
SampID: LCS 3-3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.07	7.000	0	101.0	98.57	101.4		08/11/2023

Batch R335486		SampType: LCS		Units							Date
SampID: LCS2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4		08/09/2023

Batch R335486		SampType: LCS		Units							Date
SampID: LCS3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4		08/10/2023

Batch R335486		SampType: LCS		Units							Date
SampID: LCS4											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4		08/14/2023

Batch R335486		SampType: LCS		Units							Date
SampID: LCS5											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.04	7.000	0	100.6	98.57	101.4		08/14/2023

Batch R335486		SampType: LCS		Units							Date
SampID: LCS6											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4		08/15/2023



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

Batch R334965		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		914	1000	0	91.4	90	110	08/12/2023	

Batch R334965		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071810-011ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Total Dissolved Solids		20		444				448.0	0.90	08/12/2023		

Batch R335033		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/14/2023	

Batch R335033		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		936	1000	0	93.6	90	110	08/14/2023	

Batch R335033		SampType: DUP		Units mg/L							RPD Limit 10	Date Analyzed
SampID: 23071810-102ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Total Dissolved Solids		20		432				446.0	3.19	08/14/2023		

Batch R335101		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/15/2023	
Total Dissolved Solids		20	S	20	16.00	0	125.0	-100	100	08/15/2023	



Quality Control Results

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

Client: Ramboll
Client Project: COF-23Q3

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

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R335101		SampType: LCS		Units mg/L							Date Analyzed
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	Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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	Date Analyzed
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		



Quality Control Results

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

Client: Ramboll
Client Project: COF-23Q3

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

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R335221		SampType: MBLK		Units mg/L							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	



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	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			RPD Limit 10				
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			RPD Limit 10				
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			RPD Limit 10				
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			RPD Limit 10				
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			RPD Limit 10				
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	



Quality Control Results

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

Client: Ramboll
Client Project: COF-23Q3

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

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

Batch R334951		SampType: MSD		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23071810-004GMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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			RPD Limit 10				Date Analyzed
SampID: 23071810-095GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.82	2.000	0	91.2	90	110	08/14/2023	

Batch R334951		SampType: MSD		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23071810-095GMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)		0.10		1.81	2.000	0	90.7	1.825	0.60	08/14/2023	

Batch R335087		SampType: MBLK		Units mg/L			RPD Limit 10				Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	08/16/2023	

Batch R335087		SampType: LCS		Units mg/L			RPD Limit 10				Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.02	1.000	0	102.4	90	110	08/16/2023	

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

Batch R334890		SampType: MS		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23071810-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	99.2	85	115	08/10/2023	

Batch R334890		SampType: MSD		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 23071810-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	99.0	0.4960	0.20	08/10/2023	



Quality Control Results

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

Client: Ramboll
Client Project: COF-23Q3

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

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

Batch R334890		SampType: MS		Units mg/L							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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		



Quality Control Results

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

Client: Ramboll
Client Project: COF-23Q3

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

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

Batch R334890		SampType: MS		Units mg/L							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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		



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 (DISSOLVED) 2000, 2011

Batch R334911		SampType: MS		Units mg/L							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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		



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		Date Analyzed
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		



Quality Control Results

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

Client: Ramboll
Client Project: COF-23Q3

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

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

Batch R334911		SampType: MS		Units mg/L							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	



Quality Control Results

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

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			Date Analyzed
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				RPD Limit 10		Date Analyzed
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			Date Analyzed
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				RPD Limit 10		Date Analyzed
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			Date Analyzed
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				RPD Limit 10		Date Analyzed
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			Date Analyzed
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				RPD Limit 10		Date Analyzed
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



Quality Control Results

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

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				Date Analyzed
SampID: 23071810-023BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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			RPD Limit 10				Date Analyzed
SampID: 23071810-072BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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				Date Analyzed
SampID: 23071810-072BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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			RPD Limit 10				Date Analyzed
SampID: 23071810-075BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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				Date Analyzed
SampID: 23071810-075BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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			RPD Limit 10				Date Analyzed
SampID: 23071810-025BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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				Date Analyzed
SampID: 23071810-025BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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			RPD Limit 10				Date Analyzed
SampID: 23071810-050BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.500		7.13	2.500	4.650	99.2	85	115	08/16/2023	



Quality Control Results

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

Client: Ramboll
Client Project: COF-23Q3

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

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

Batch R335128		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
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							Date Analyzed
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

Batch R334857		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
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

Batch R334857		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
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	



Quality Control Results

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

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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	



Quality Control Results

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071810
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



Quality Control Results

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071810
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

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

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	



Quality Control Results

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

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			RPD Limit 10			
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			RPD Limit 10			
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			RPD Limit 10			
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			RPD Limit 10			
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



Quality Control Results

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

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			RPD Limit 10			
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			RPD Limit 10			
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			RPD Limit 10			
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			RPD Limit 10			
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



Quality Control Results

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071810
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			RPD Limit 10			
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			RPD Limit 10			
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			RPD Limit 10			
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			RPD Limit 10			
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



Quality Control Results

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

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

Batch R334938		SampType: LCS		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)		0.010		< 0.010	0.0020	0	0	-100	100	08/15/2023	

Batch R335029		SampType: LCS		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Orthophosphate (as P)		0.010		< 0.010	0.0020	0	0	-100	100	08/16/2023	

Batch R335135		SampType: LCS		Units mg/L							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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							Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	08/14/2023	



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 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		Date Analyzed
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		Date Analyzed
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	



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 210824		SampType: LCS		Units mg/L							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	



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 210912		SampType: MSD		Units mg/L			RPD Limit 15				Date Analyzed
SampID: 23071810-042EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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							Date Analyzed
SampID: MBLK 230815 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	08/16/2023	

Batch 210913		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 230815 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		0.026	0.0250	0	104.1	90	110	08/16/2023	

Batch 210913		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071810-051EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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				Date Analyzed
SampID: 23071810-051EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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							Date Analyzed
SampID: 23071810-079EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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				Date Analyzed
SampID: 23071810-079EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide		0.005		0.025	0.0250	0	98.3	0.02744	10.99	08/16/2023	

Batch 210967		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 230816 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	08/17/2023	



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							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
SampID: 23071810-001BMDS												
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		



Quality Control Results

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

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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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		



Quality Control Results

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

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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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		



Quality Control Results

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

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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	



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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	



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 R335764		SampType: LCS		Units mg/L							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	



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



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 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							
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							
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							
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	



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 R335851		SampType: MBLK		Units mg/L							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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		



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 R335851		SampType: MS		Units mg/L							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	



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							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	



Quality Control Results

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

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							
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							
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	



Quality Control Results

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

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	



Quality Control Results

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

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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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		



Quality Control Results

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

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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	



Quality Control Results

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

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							
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							
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	



Quality Control Results

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

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							
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							
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							
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	



Quality Control Results

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

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				RPD Limit 15			
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				RPD Limit 15			
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				RPD Limit 15			
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: 23071810-001BMDS											
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	



Quality Control Results

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

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							Date Analyzed
SampID: 23071810-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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					Date Analyzed
SampID: 23071810-007BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4	E	51	20.00	33.70	85.5	50.83	0.06	08/21/2023	

Batch R335354		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071810-015BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		40		225	200.0	45.35	89.7	85	115	08/21/2023	

Batch R335354		SampType: MSD		Units mg/L		RPD Limit 15					Date Analyzed
SampID: 23071810-015BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		40		224	200.0	45.35	89.5	224.7	0.12	08/21/2023	

Batch R335354		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071810-022BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		23	20.00	4.140	92.3	85	115	08/21/2023	

Batch R335354		SampType: MSD		Units mg/L		RPD Limit 15					Date Analyzed
SampID: 23071810-022BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4		23	20.00	4.140	92.5	22.60	0.18	08/21/2023	

Batch R335354		SampType: MS		Units mg/L							Date Analyzed
SampID: 23071810-037BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		40		286	200.0	116.1	85.1	85	115	08/21/2023	

Batch R335354		SampType: MSD		Units mg/L		RPD Limit 15					Date Analyzed
SampID: 23071810-037BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		40		286	200.0	116.1	85.0	286.3	0.04	08/21/2023	



Quality Control Results

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

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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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		



Quality Control Results

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

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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	



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 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							
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							
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	



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 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: ICB/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	



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	



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: 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



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



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			Date Analyzed
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						Date Analyzed
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



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



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			Date Analyzed
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				RPD Limit 20		Date Analyzed
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			Date Analyzed
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	



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: 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



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



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: 23071810-034DMS										
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



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



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



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



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



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: 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



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: 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



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



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



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: 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



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



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	



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 210770		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
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				RPD Limit 20			Date Analyzed
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				RPD Limit 20			Date Analyzed
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			Date Analyzed
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				RPD Limit 20			Date Analyzed
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	



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 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				RPD Limit 20			
SampID: 23071810-017CMSD											
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	



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: MBLK		Units mg/L							
SampID: MBLK-210812											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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	



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							Date Analyzed
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							Date Analyzed
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	



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			Date Analyzed
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							Date Analyzed
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	



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 210813		SampType: LCS		Units mg/L							Date
SampID: LCS-210813											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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							Date
SampID: 23071810-082CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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	Date
SampID: 23071810-082CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed		
Calcium		0.100	S	96.0	2.500	94.57	56.0	96.11	0.15	08/16/2023		



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 210813		SampType: MS		Units mg/L							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	



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							Date Analyzed
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	Date Analyzed
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		



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: MBLK		Units mg/L							
SampID: MBLK-210901											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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	



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



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: MS		Units mg/L							Date Analyzed
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	Date Analyzed
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		



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: 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



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							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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		



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 211078		SampType: MBLK		Units mg/L							Date Analyzed
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							Date Analyzed
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		Date Analyzed
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



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: 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



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	



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	



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 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



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: 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



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



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: MS

Units mg/L

SampleID: 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



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	SampType	Units mg/L			RPD Limit 20					Date Analyzed
210784	MSD									
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



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 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



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 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



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 210814 SampType: MS Units mg/L

SampleID: 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



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 210814		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
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						Date Analyzed
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



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	SampType	Units		RPD Limit						
210814	MSD	mg/L		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



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: 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



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											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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	



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

SampleID: 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



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)

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



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

SampleID: 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



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	SampType	Units mg/L			RPD Limit 20					Date Analyzed
210815	MSD									
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



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 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



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 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



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 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						Date Analyzed
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



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 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



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 210902 SampType: MS

Units mg/L

SampleID: 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



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	SampType:	Units mg/L			RPD Limit 20					Date Analyzed
210902	MSD									
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



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 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



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)

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



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 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



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 210928		SampType: LCS		Units mg/L							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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		



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: 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



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

SampleID: 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

SampleID: 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

SampleID: 23071810-009CMSD

RPD Limit 20

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



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 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		Date Analyzed
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							
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	



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 210785		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
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	



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: 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



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



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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	



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: 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



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							Date Analyzed
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	Date Analyzed
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		



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							Date Analyzed
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	Date Analyzed
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		



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

SampleID: 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



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: 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	



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	SampType:	MSD	Units mg/L							RPD Limit	20	Date Analyzed
SampID: 23071810-105CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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		



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: 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



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: 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



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



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	SampType:	MSD	Units mg/L			RPD Limit 20				Date Analyzed
SampID: 23071810-028CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
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



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: 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



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



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: MSD		Units mg/L				RPD Limit 20			Date Analyzed
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



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 211078		SampType: LCSD		Units mg/L				RPD Limit 20			Date Analyzed
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				RPD Limit 20			Date Analyzed
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			Date Analyzed
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				RPD Limit 20			Date Analyzed
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				RPD Limit 20			Date Analyzed
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	



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 211843		SampType: MS		Units mg/L							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	



Quality Control Results

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071810
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							
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							
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	



Quality Control Results

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

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				RPD Limit 15			
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				RPD Limit 15			
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				RPD Limit 15			
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				RPD Limit 15			
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	



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 210705		SampType: MS		Units mg/L							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	



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 210851		SampType: MS		Units mg/L							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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		



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 210857		SampType: MS		Units mg/L							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	



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 210923		SampType: MS		Units mg/L							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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	Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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							Date Analyzed
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	



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		Date Analyzed
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		



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

Reviewed by:

Ellie Hopkins

On:

10-Aug-23

Amber Dilallo

On:

15-Aug-23

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 3.4
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input checked="" type="checkbox"/>	Lab <input type="checkbox"/>	NA <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

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 <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input checked="" type="checkbox"/>
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

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
 COF-845-104

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:		REGULATORY AGENCY		
Company: <u>Vistra Corp</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>		NPDES GROUND WATER DRINKING WATER		
Address: <u>13498 E. 900th St</u>		Copy To: <u>Jason Stuckey</u>		Company Name: <u>Vistra Corp</u>		UST RCRA OTHER		
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:		Address: <u>see Section A</u>		Site Location		
Phone: <u>(217) 753-8911</u> Fax:		Project Name:		Quote Reference:		STATE: IL		
Requested Due Date/TAT: <u>10 day</u>		Project Number: <u>2285</u>		Project Manager:		Profile #:		

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	Requested Analysis Filtered (Y/N)											Residual Chlorine (Y/N)	Project No./ Lab I.D.						
							DATE	TIME		Preservatives																		
										Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test ↓	COF-257-101	COF-257-102			COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102
1		G101					8-9-23	1451	5	2	1	1																23071810-001
2		G102					8-9-23	1507	7	2	2	2																002
3		G103							7	2	2	2																003
4		G105							7	2	2	2																004
5		G106							7	2	2	2																005
6		G107							5	2	1	1																006
7		G108					8-9-23	0948	5	2	1	1																007
8		G109						1010	5	2	1	1																008
9		G110						1028	5	2	1	1																009
10		G111						1047	5	2	1	1																010
11		G119						1132	5	2	1	1																011
12		G120						1149	6	2	1	2																012
13		G121						1219	5	2	1	1																013
14		G122						1237	5	2	1	1																014
15		G123						1257	5	2	1	1																015
16		G124						1313	5	2	1	1																016

ADDITIONAL COMMENTS COF-23Q3 Rev 0	RELINQUISHED BY / AFFILIATION <u>J. Golp</u>	DATE <u>8-9</u>	TIME <u>1752</u>	ACCEPTED BY / AFFILIATION <u>[Signature]</u>	DATE <u>8/9</u>	TIME <u>1752</u>	TEMPERATURE <u>3.4</u>	SAMPLE CONDITIONS <u>Y N</u>		
SAMPLER NAME AND SIGNATURE							Temp in °C	Received on Ice (Y/N)	Custody Sealed Container (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Justin Golp</u>										
SIGNATURE of SAMPLER: <u>[Signature]</u>										
DATE Signed (MM/DD/YY): <u>8-9-23</u>										

*Added HNO3 to G111 (D) & G303 (T & D)
 (92447) PH ✓ 90719 sm
 8/10/23*

COF-845-104
 23071810

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		
---	--	--	--	--	--	--	--	--

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No / Lab I.D.						
		MATRIX	CODE			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103			COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-105	
		DRINKING WATER	DW																																
1	G125			8-9-23	1327	6	2	1	2																										23071810-017
2	G126			8-9-23	1401	5	2	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	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		<i>J. Colo</i>		<i>8/9</i>	<i>1752</i>	<i>Allen Col</i>		<i>8/9</i>	<i>1752</i>	<i>Y</i>	<i>N</i>	

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:			<i>Justin Colo</i>				
SIGNATURE of SAMPLER:			<i>[Signature]</i>				
			DATE Signed (MM/DD/YY):	<i>8-9-23</i>			

COF-845-104
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	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A	
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:	
				Profile #:	
REGULATORY AGENCY					
NPDES		GROUND WATER		DRINKING WATER	
UST		RCRA		OTHER	
Site Location				IL	
STATE:					

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / .) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.								
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈	Methanol	Other	Analysis Test #	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000		COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)				
1	G213						7	2	2	2	1																										23071810-038
2	G214						6	2	1	2	1																										234
3	G215						7	2	2	2	1																										235
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						<i>Alison Cole</i>		8/9	1752	Y N	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):			

COF-23Q3
23071810

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:		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey			
Address: 13496 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A			
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:			
				Probe #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)												Project No. / Lab I.D.						
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000		COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)		
1	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					8-9-23	1113	6	2	2	2																								058
11	G302					8-9-23	1155	6	2	2	2																								059
12	G303					8-9-23	1526	6	2	2	2																								060
13	G305							6	2	2	2																								061
14	G306							6	2	2	2																								062
15	G307							6	2	2	2																								063
15	G307D							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	8-9	1752	Jason Stuckey	8-9	1752	Y N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Colp</i>					
SIGNATURE of SAMPLER: <i>Justin Colp</i>	DATE Signed (MM/DD/YY): <i>8-9-23</i>				

COF-23Q3-104
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:		REGULATORY AGENCY		
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey		NPDES GROUND WATER DRINKING WATER		
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp		UST RCRA OTHER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A		Site Location		
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:		STATE: IL		
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:		Profile #:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)										Project No. / Lab I.D.									
							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test ↓	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-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)					
																																MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)			
1	G308					6	2	2	2																											23071810-065
2	G309					6	2	2	2																											266
3	G310		8-9-23	1036		6	2	2	2																											267
4	G312			1229		6	2	2	2																											268
5	G313			1412		6	2	2	2																											269
6	G314			1433		6	2	2	2																											270
7	G314D			1453		6	2	2	2																											271
8	G315					6	2	2	2																											272
9	G316		8-9-23	1343		6	2	2	2																											273
10	G317					6	2	2	2																											274
11	G401					7	2	2	2																											275
12	G402					7	2	2	2																											276
13	G403					7	2	2	2																											277
14	G404					7	2	2	2																											278
15	G405					7	2	2	2																											279
16	G406					7	2	2	2																											280

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J-Loe	8-9	1752	Alton Cole	8-9	1752	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 COLE				
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	8-9-23		

205-899-004
 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:	REGULATORY AGENCY												
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td colspan="3" style="text-align: center;">Site Location</td> </tr> <tr> <td colspan="3" style="text-align: center;">STATE: IL</td> </tr> </table>	NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location			STATE: IL		
NPDES	GROUND WATER	DRINKING WATER													
UST	RCRA	OTHER													
Site Location															
STATE: IL															
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp													
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Address: see Section A													
Phone: (217) 753-8911 Fax:	Project Name:	Quote Reference:													
Requested Due Date/TAT: 10 day	Project Number: 2285	Project Manager:													
		Profile #:													

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / .) Sample IDs MUST BE UNIQUE	Valid Matrix Codes <small>MATRIX CODE</small> DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test ↓	Requested Analysis Filtered (Y/N)											Residual Chlorine (Y/N)	Project No / Lab I.D.												
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃		Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103			COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106							
																		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1	G407						7	2	2	2	1							✓	EX						✓	✓														23071810-081
2	G410						4	1	2	1										✓							✓	✓												082
3	G411						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						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				<i>Alison Cole</i>	8/9	1752	Y	N				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				
	DATE Signed (MM/DD/YY):				

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:		REGULATORY AGENCY		
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey		NPDES GROUND WATER DRINKING WATER		
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp		UST RCRA OTHER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A		Site Location		
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:		STATE: IL		
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:				
				Profile #:				

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.
						Unpreserved										Analysis Test #										
						H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	
1	R205				6	2	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	2	1																		101
6	T128		8-9-23 1416		5	2	1	1																		102
7	X201				6	2	2																			103
8	XPW01				6	2	2																			104
9	XPW02				6	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	1																	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	Alison Colp	8/9	1752	Y	N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Top (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):	8-9-23		

260
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:		Page: 1 of 7		
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY		
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp				
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A		NPDES GROUND WATER DRINKING WATER		
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		UST RCRA OTHER		
Requested Due Date/TAT: 10 day		Project Number: 2265		Profile #:		Site Location		
						STATE: IL		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives											Requested Analysis Filtered (Y/N)											Project No./ Lab I.D.					
						DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈	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)	
																																	DRINKING WATER DW
1	G101				5	2	1	1																									23071810-001
2	G102				7	2	2	2																									002
3	G103		8-10-23	0823	7	2	2	2																									003
4	G105			0859	7	2	2	2																									004
5	G106			0916	7	2	2	2																									005
6	G107			0943	5	2	1	1																									006
7	G108				5	2	1	1																									007
8	G109				5	2	1	1																									008
9	G110				5	2	1	1																									009
10	G111				5	2	1	1																									010
11	G119				5	2	1	1																									011
12	G120				6	2	1	2																									012
13	G121				5	2	1	1																									013
14	G122				5	2	1	1																									014
15	G123				5	2	1	1																									015
16	G124				5	2	1	1																									016

ph 7/19/2023. Added H2SO4 (90219) to G106 and 2104. Added NaOH (1662) to G103 and (154). Added HNO3 to total one dissolved from G154. Get 8-11-23.

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				
Justin Gelp	[Signature]				
DATE Signed (MM/DD/YY):					
8-10-23					

005

COF-845-10A
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: Visira Corp		Report To: Brian Voelker		Attention: Jason Stuckey	
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Visira Corp	
Email To: Brian.Voelker@VisiraCorp.com		Purchase Order No.:		Address: see Section A	
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:	
				Profile #:	

Page: **2** of **7**

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.						
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104		COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	
1	G125						6	2	1	2																							23071810-017	
2	G126						5	2	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	2																							022	
7	G155				8-10-23	1046	4	2	1	1																							023	
8	G200						7	2	2	2																							024	
9	G206						7	2	2	2																								025
10	G206D						6	2	2	2																								026
11	G207						6	2	1	2																								027
12	G208						6	2	1	2																								028
13	G209						7	2	2	2																								029
14	G210						6	2	1	2																								030
15	G211						6	2	1	2																								031
16	G212				8-10-23	1528	7	2	2	2																								032

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
COF-23Q3 Rev 0		J. Golp		8-10		1730		Dmca Duellas		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 Golp							
SIGNATURE of SAMPLER: <i>Justin Golp</i>							

COF-845-194
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:	REGULATORY AGENCY		
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey	NPDES	GROUND WATER	DRINKING WATER
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp	UST	RCRA	OTHER
Address: see Section A	Purchase Order No.:	Address: see Section A	Site Location		
Email To: Brian.Voelker@VistraCorp.com	Project Name:	Quota Reference:	STATE: IL		
Phone: (217) 753-8911 Fax:	Project Number: 2285	Project Manager:			
Requested Due Date/TAT: 10 day		Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL YSPE YW AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)										Project No / Lab I.D.						
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103		COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
2	G214				8-10-23	1450		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	1																				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 COF-23Q3 Rev 0	RELINQUISHED BY / AFFILIATION J. Cold	DATE 8-10	TIME 1730	ACCEPTED BY / AFFILIATION Justin Cold	DATE 8/10/23	TIME 1730	SAMPLE CONDITIONS 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 Cold	SIGNATURE of SAMPLER: <i>Justin Cold</i>				
DATE Signed (MM/DD/YY): 8-10-23					

COF-845-004
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:		Page: 4 of 7		
Company: Visira Corp		Report To: Brian Voetker		Attention: Jason Stuckey		REGULATORY AGENCY		
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Visira Corp				
Email To: Brian.Voetker@VisiraCorp.com		Purchase Order No.:		Address: see Section A		UST	RCRA	OTHER
Phone: (217) 753-8911		Project Name:		Quote Reference:		Site Location		
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:				
				Profile #:				

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 /, .) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Analysis Test	Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.											
		MATRIX	CODE						Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other			COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-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							
		DW	WT						WW	P	SL	CL	WP	AR	OT	TS																								
1	G279							7	2	2	2																											23071810-049		
2	G280							7	2	2	2																											050		
3	G281							7	2	2	2																											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																														257		
10	G301							6	2	2	2																											258		
11	G302							6	2	2	2																											259		
12	G303							6	2	2	2																											260		
13	G305						8-10-23	1236	6	2	2	2																										261		
14	G306						8-10-23	1101	6	2	2	2																										262		
15	G307	CAH Pump					8-10-23	N/A	6	2	2	2																									263			
16	G307D						8-10-23	1212	6	2	2	2																										264		

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS		
COF-23Q3 Rev 0		J. Galp		8-10	1730	[Signature]		8/10/23	1730	Y N		

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ico (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	
PRINT Name of SAMPLER:	JUSTIN GALP					
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	8-10-23			

COF-23Q3-11910

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: Visira Corp		Report To: Brian Voelker		Attention: Jason Stuckey	
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Visira Corp	
Email To: Brian.Voelker@VisiraCorp.com		Purchase Order No.:		Address: see Section A	
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:	
				Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location:		IL
STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION # OF CONTAINERS	Preservatives										Analysis Test Y/N	Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.			
					Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Ni ₂ S ₂ O ₈	Methanol	Other	COF-257-101	COF-257-102		COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1	G308		8-10-23 1308	6	2	2	2																			23071810-065			
2	G309			6	2	2	2																			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			6	2	2	2																			074			
11	G401			7	2	2	2																			075			
12	G402			7	2	2	2																			076			
13	G403			7	2	2	2																			077			
14	G404			7	2	2	2																			078			
15	G405			7	2	2	2																			079			
16	G406			7	2	2	2																			080			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Goldberg	8-10	1730	Smr. Dale	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:	DATE Signed (MM/DD/YY):				
SIGNATURE of SAMPLER:	8-10-23				

COF-845-100
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	Page: 6 of 7												
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp													
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Address: see Section A													
Phone: (217) 753-8911 Fax:	Project Name:	Quote Reference:													
Requested Due Date/TAT: 10 day	Project Number: 2285	Project Manager: Profile #:	<table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td colspan="2">Site Location</td> <td>STATE: IL</td> </tr> </table>	REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location		STATE: IL
REGULATORY AGENCY															
NPDES	GROUND WATER	DRINKING WATER													
UST	RCRA	OTHER													
Site Location		STATE: IL													

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE	COLLECTED TIME	SAMPLER TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test #	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.	
							Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O8	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-814-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000		COF-WPCP-102
1	G407		8-10-23	1432		7	2	2	2																			23071810-281
2	G410		8-10-23	1458		4		1	2																			282
3	G411		8-10-23	1524		4		1	2																			283
4	G1001					6	2	2	2																			284
5	G1003					0																						285
6	L203					2	1		1																			286
7	MW03D					0																						287
8	MW11D					0																						288
9	MW11S					0																						289
10	MW12D					0																						290
11	MW16D					0																						291
12	MW16S					0																						292
13	MW20S					0																						293
14	NE Riser					6	2	2	2																			294
15	R104		8-10-23	0840		7	2	2	2																			295
16	R201					7	2	2	2																			296

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cole	8-10	1730	Justin Cole	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 Cole					
SIGNATURE of SAMPLER:	<i>Justin Cole</i>	DATE Signed (MM/DD/YYYY):	8-10-23			

2023-845-810

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:		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:					
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey					Address: 13498 E. 900th St		Copy To: Jason Stuckey
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Address: see Section A					
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:							
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:							

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / .) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)											Residual Chlorine (Y/N)	Project No. / Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104			COF-SUP-000
1	R205						6	2	1	2																				23071810-097
2	SG-02						0																							098
3	SG-03						0																							099
4	SG-04						0																							100
5	T127						6	2	1	2																				101
6	T128						5	2	1	1																				102
7	X201						6	2	2	2																				103
8	XPW01					8-10-23	1322																							104
9	XPW02					8-10-23	1345																							105
10	XSG-01						0																							106
11	Field Blank						8	2	3	2																				107
12	G102 Duplicate						7	2	2	2																				108
13	G200 Duplicate						7	2	2	2																				109
14	G273 Duplicate						7	2	2	2																				110
15	G301 Duplicate						6	2	2	2																				111
16	R201 Duplicate						7	2	2	2																				112

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-10	1730	Jason Stuckey	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:	Jusfm Colp				
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	8-10-23		

3301104
 COF-845-104

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 #: 		Page: 5 of 7		
				REGULATORY AGENCY				
				NPDES GROUND WATER DRINKING WATER 		UST RCRA OTHER 		
				Site Location IL		STATE: 		

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE		COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.									
		DRINKING WATER DW	WATER WT				WASTE WATER WW	PRODUCT P	SOIL/SOLID SL	OL	WLPE WP	AIR AR	OTHER OT	TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O 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
1	G308					6	2	2	2																													23071810-065
2	G309					6	2	2	2																													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					6	2	2	2																												074	
11	G401			8/11/23	122	7	2	2	2	1																											075	
12	G402			8/11/23	1204	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	1241	7	2	2	2	1																											079	
16	G406			8/11/23	1013	7	2	2	2	1																											080	

ADDITIONAL COMMENTS COF-23Q3 Rev 0	RELINQUISHED BY / AFFILIATION <i>[Signature]</i>	DATE 8/11/23	TIME 1427	ACCEPTED BY / AFFILIATION <i>[Signature]</i>	DATE 8/11/23	TIME 1427	SAMPLE CONDITIONS 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: Joey Kile											
SIGNATURE of SAMPLER: <i>[Signature]</i>											
DATE Signed (MM/DD/YY): 8/11/23											

PH: 90719/9929
 (9244)
 Added HNO3 to G405 diss.
 cont. w/ 8/11
 10.2° #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:	Section B Required Project Information:	Section C Invoice Information:
Company: <u>Vistra Corp</u>	Report To: <u>Brian Voelker</u>	Attention: <u>Jason Stuckey</u>
Address: <u>13498 E. 900th St</u>	Copy To: <u>Jason Stuckey</u>	Company Name: <u>Vistra Corp</u>
		Address: <u>see Section A</u>
Email To: <u>Brian.Voelker@VistraCorp.com</u>	Purchase Order No.:	Quote Reference:
Phone: <u>(217) 753-8911</u> Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: <u>10 day</u>	Project Number: <u>2285</u>	Profile #:

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location		IL
STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT ISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No / Lab I.D.					
						DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103			COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106
						1				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	Justin Colp	8/14	1810	S-8 #5

PH: 90719
AC 8/15

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: <u>Justin Colp</u>	DATE Signed (MM/DD/YY): <u>8-14-23</u>	Temp in °C	Samples Intact (Y/N)
SIGNATURE of SAMPLER: <u>[Signature]</u>		Received on ice (Y/N)	Custody Sealed Cooler (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	REGULATORY AGENCY
		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:	NPDES GROUND WATER DRINKING WATER
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:	UST RCRA OTHER
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:	Site Location
			STATE: IL

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes <small>MATRIX CODE</small> DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE <small>(see valid codes to left)</small>	SAMPLE TYPE <small>(G-GRAB C-COMP)</small>	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)													Project No / Lab i.D.							
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test ↓	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000		COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)			
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	<i>J. Gelp</i>	8-14	1810	<i>Justin Gelp</i>	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: <i>Justin Gelp</i>										
SIGNATURE of SAMPLER: <i>Justin Gelp</i>							DATE Signed (MM/DD/YY): <i>8-14-23</i>			

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	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A	
Phone: (217) 753-8911	Fax:	Project Name:		Quote Reference:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:	
		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 OW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)													Project No./ Lab I.D.															
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test ↓																											
1	G279				8-14-23	DRY																																					049	
2	G280				↓	1448																																			050			
3	G281				↓	1606																																			051			
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. Cold		8-14		1870		Alison Cold			8/14		1870																														

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: <i>Justin Cold</i>						
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:			REGULATORY AGENCY		
Company: Vistra Corp			Report To: Brian Voelker			Attention: Jason Stuckey			NPDES GROUND WATER DRINKING WATER		
Address: 13498 E. 900th St			Copy To: Jason Stuckey			Company Name: Vistra Corp			UST RCRA OTHER		
Email To: Brian.Voelker@VistraCorp.com			Purchase Order No.:			Address: see Section A			Site Location		
Phone: (217) 753-8911 Fax:			Project Name:			Project Reference:			STATE: IL		
Requested Due Date/TAT: 10 day			Project Number: 2285			Project Manager:			Profile #:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WAPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ ↓ ↓ ↓ Y/N ↓	Requested Analysis Filtered (Y/N)												Project No / Lab I.D.											
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000		COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (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																																	
15		G405																																						
16		G406																																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	<i>J. Colp</i>	8-14	1810	<i>Allen Colp</i>	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: <i>Justin Colp</i>										
SIGNATURE of SAMPLER: <i>J. Colp</i>							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:		REGULATORY AGENCY					
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey					NPDES GROUND WATER DRINKING WATER		
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp					UST RCRA OTHER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A					Site Location		
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:		STATE: IL					
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:							
				Profile #:							

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Y/N	Requested Analysis Filtered (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol				
1	R205				8-14-23	1534												845-097	
2	SG-02																		
3	SG-03																		
4	SG-04																		
5	T127																		
6	T128																		
7	X201 (ANT-BLATE)				8-4-23	N/A												-103	
8	XPW01																		
9	XPW02																		
10	XSG-01																		
11	Field Blank																		
12	G102 Duplicate																		
13	G200 Duplicate																	-109	
14	G273 Duplicate				8-14-23	1507 3L												-100	
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. Corp		8/10	8-14	Allison Cole		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:	JUSTIN CORP				
SIGNATURE of SAMPLER:	<i>Justin Corp</i>	DATE Signed (MM/DD/YY):	8-14-23		

COF-845-104
 23011810

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:

Section B

Required Project Information:

Section C

Invoice Information:

Page: **2** of **7**

Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Address: see Section A
Phone: (217) 753-8911	Project Name:	Quote Reference:
Fax:	Project Number: 2285	Project Manager:
Requested Due Date/TAT: 10 day	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location:		IL
STATE:		

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE <small>DRINKING WATER DW WATER WF WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS</small>	MATRIX CODE <small>(see valid codes to left)</small>	SAMPLE TYPE <small>(G=GRAB C=COMP)</small>	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives									Requested Analysis Filtered (Y/N)																	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)			
1	G125																																		
2	G126																																		
3	G151																																		
4	G152																																		
5	G153																																		
6	G154																																		
7	G155																																		
8	G200	insufficient water			8-15-23	OKY																													
9	G206																																		
10	G206D																																		
11	G207	OK after reads			8-15-23	OKY																													
12	G208																																		
13	G209																																		
14	G210																																		
15	G211																																		
16	G212																																		

Residual Chlorine 90719
 79924
 X201 coded
 HNO3 (92447)
 Project No. / Lab I.D.

H2SO4
 (G010)
 gm
 8/15/23

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
COF-23Q3 Rev 0	J. Culp	8-15	1518	<i>[Signature]</i>	8-15-23	1518	12.5				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	JUSTIN CULP				
SIGNATURE of SAMPLER:	<i>[Signature]</i>				
DATE Signed (MM/DD/YY):		8-15-23			

23071810
COF-845-104

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:		REGULATORY AGENCY		
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey		NPDES GROUND WATER DRINKING WATER		
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp		UST RCRA OTHER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A		Site Location		
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:		STATE: IL		
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:		Profile #:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)													Project No./ Lab I.D.						
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	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)				
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 <i>infiltrant water</i>																																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	<i>J. Cold</i>	8-15	1518	<i>[Signature]</i>	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:	<i>Justin Cold</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>	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:	REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location STATE: IL	
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey		
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp		
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Address: see Section A		
Phone: (217) 753-8911 Fax:	Project Name:	Quote Reference:		
Requested Due Date/TAT: 10 day	Project Number: 2285	Project Manager:		
			Profile #:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE <small>(see valid codes to left)</small>	SAMPLE TYPE <small>(G=GRAB C=COMP)</small>	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ Y/N ↑	Requested Analysis Filtered (Y/N)													Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1		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																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cold	8-15	1518	<i>[Signature]</i>	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:	<i>J. Cold</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>				
	DATE Signed (MM/DD/YY):				
	<i>8-15-23</i>				

COF-845-104
2071810

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	REGULATORY AGENCY					
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp				NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Address: see Section A				UST	RCRA	OTHER
Phone: (217) 753-8911 Fax:	Project Name:	Quote Reference:				Site Location		
Requested Due Date/TAT: 10 day	Project Number: 2285	Project Manager:	STATE: IL					
		Profile #:						

ITEM #	Section D Required Client Information 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 WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)													Project No / Lab I.D.							
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)				
1	G407																																				
2	G410																																				
3	G411																																				
4	G1001	insufficient water			8-15-23	10:4																															
5	G1003																																				
6	L203	insufficient water			8-15-23	10:4																															
7	MW03D																																				
8	MW11D																																				
9	MW11S																																				
10	MW12D																																				
11	MW16D																																				
12	MW16S																																				
13	MW20S																																				
14	NE Riser				8-15-23	13:12																															
15	R104																																				
16	R201	*			8-15-23	10:4																															
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION					DATE	TIME	SAMPLE CONDITIONS																							
COF-23Q3 Rev 0			J. Colp		8-15	15:18						8-15-23	15:18																								
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																						

* = hole in air lke

2307180

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	REGULATORY AGENCY
		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:	
Phons: (217) 753-8911 Fax:	Project Name:	Project Manager:	NPDES GROUND WATER DRINKING WATER
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:	UST RCRA OTHER
			Site Location IL
			STATE:

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIFE WF AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)										Project No / Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103		COF-845-104	COF-SUP-000	COF-WPCP-102
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	064																								
14	G273 Duplicate																													
15	G301 Duplicate																													
16	R201 Duplicate				8-15-23	024																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cold	8-15	1518	<i>[Signature]</i>	8-15-23	1519	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Seal Cool (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Cold</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>	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	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A	
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:	
				Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location		IL
STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)											Project No./ Lab I.D.											
						Preservatives						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)
						Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃																	
1	G308 (resample)		DATE: 9/19/23 TIME: 1100		1																					23071810-113		
2	X201 (resample)		DATE: 9/19/23 TIME: 1217		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	SAMPLE CONDITIONS
COF-23Q3 Rev 0	<i>Tracy Dand</i>	9/19/23	1312	<i>Tracy Dand</i>	9/19/23	1312	Y N Y

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Tracy Dand</i>							
SIGNATURE of SAMPLER: <i>Tracy Dand</i>							

WAI
PHV 90719
dmw 9/19/23

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



Report Contents

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

Client: Ramboll

Work Order: 23071811

Client Project: COF-23Q3

Report Date: 28-Sep-23

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	60
Dates Report	62
Receiving Check List	66
Chain of Custody	Appended

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)



Definitions

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

Client: Ramboll

Work Order: 23071811

Client Project: COF-23Q3

Report Date: 28-Sep-23

Qualifiers

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



Case Narrative

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

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

Collinsville Air

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

Springfield

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

Chicago

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

Kansas City

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



Accreditations

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071811-004
Matrix: GROUNDWATER

Work Order: 23071811
Report Date: 28-Sep-23
Client Sample ID: G154
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071811-008
Matrix: GROUNDWATER

Work Order: 23071811
Report Date: 28-Sep-23
Client Sample ID: G206D
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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

<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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071811-027
Matrix: GROUNDWATER

Work Order: 23071811
Report Date: 28-Sep-23
Client Sample ID: G285
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071811-034
Matrix: GROUNDWATER

Work Order: 23071811
Report Date: 28-Sep-23
Client Sample ID: G307D
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071811-037
Matrix: GROUNDWATER

Work Order: 23071811
Report Date: 28-Sep-23
Client Sample ID: G312
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

<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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071811-043
Matrix: GROUNDWATER

Work Order: 23071811
Report Date: 28-Sep-23
Client Sample ID: G401
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071811-044
Matrix: GROUNDWATER

Work Order: 23071811
Report Date: 28-Sep-23
Client Sample ID: G402
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071811-048
Matrix: GROUNDWATER

Work Order: 23071811
Report Date: 28-Sep-23
Client Sample ID: G406
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071811-051
Matrix: GROUNDWATER

Work Order: 23071811
Report Date: 28-Sep-23
Client Sample ID: G411
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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071811-055
Matrix: LEACHATE

Work Order: 23071811
Report Date: 28-Sep-23
Client Sample ID: X201
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3
Lab ID: 23071811-057
Matrix: GROUNDWATER

Work Order: 23071811
Report Date: 28-Sep-23
Client Sample ID: XPW02
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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

<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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND
COF-845-104

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
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



Sample Summary

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

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



Sample Summary

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

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

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

Client: Ramboll
Client Project: COF-23Q3

Work Order: 23071811
Report Date: 28-Sep-23

Sample ID	Client Sample ID	Collection Date	Received Date	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		



Dates Report

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

Client: Ramboll

Work Order: 23071811

Client Project: COF-23Q3

Report Date: 28-Sep-23

Sample ID	Client Sample ID	Collection Date	Received Date	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



Dates Report

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

Client: Ramboll

Work Order: 23071811

Client Project: COF-23Q3

Report Date: 28-Sep-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
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

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

Client: Ramboll

Work Order: 23071811

Client Project: COF-23Q3

Report Date: 28-Sep-23

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	See Attached for Subcontracting Analysis				09/11/2023 12:04



Receiving Check List

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

Client: Ramboll

Work Order: 23071811

Client Project: COF-23Q3

Report Date: 28-Sep-23

Carrier: Justin Colp

Received By: ANC

Completed by:

Amber Dilallo

Reviewed by:

Ellie Hopkins

On:

On:

10-Aug-23

15-Aug-23

Amber Dilallo

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 3.4
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

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 <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input checked="" type="checkbox"/>
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

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

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		REGULATORY AGENCY	
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp		NPDES GROUND WATER DRINKING WATER	
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Address: see Section A		UST RCRA OTHER	
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:		Site Location	
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:		STATE: IL	

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WF WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives									Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No./ Lab I.D.								
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₅	Methanol	Other	COF-257-101					COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103
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					1219																							
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 Ra226/228, only.	J. Galp	8-9	1752	Alison Cur	8/9	1752	3.4 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 Galp						
SIGNATURE of SAMPLER:	[Signature]			DATE Signed (MM/DD/YY):	8-9-23		

Added HNO3(92447) to G301, G302, G303, G314, G314D & G316. pH v 90719. Sm 8/10/23

23071811
COF-23Q3-104

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7					
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY					
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp					NPDES GROUND WATER DRINKING WATER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A					UST RCRA OTHER		
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:					Site Location		
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		STATE: IL					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)										Project No. / Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other												
1	G125				8-9-23	1327																						
2	G126				8-9-23	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. Gop	8-9	1752	Jason Gop	8/9	1752	Y N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	<i>Jason Gop</i>				
SIGNATURE of SAMPLER:	<i>JA G</i>	DATE Signed (MM/DD/YY):	8-9-23		

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:		REGULATORY AGENCY		
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey		NPDES GROUND WATER DRINKING WATER		
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp		UST RCRA OTHER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A		Site Location		
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:		STATE: IL		
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:		Profile #:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives											Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.							
						DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	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)
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	Justin Colp	8/9	1752	Y N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				
Justin Colp	[Signature]				
DATE Signed (MM/DD/YY):					
8-9-23					

23071811
 OF 861104

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Section B Required Project Information: Section C Invoice Information: Page: **5** of **7**

Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey	
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp	
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 <small>DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS</small>	MATRIX CODE <small>(see valid codes to left)</small>	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test ↓	Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.								
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈		Methanol	Other	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)
1	G308						2	2						✓																			23071811-035	
2	G309													✓																			036	
3	G310				8-9-23	1036		2	2					✓																		937		
4	G312				8-9-23	1228		2	2					✓																		038		
5	G313				8-9-23	1412		2	2					✓																		039		
6	G314				8-9-23	1433		2	2					✓																		040		
7	G314D				8-9-23	1453		2	2					✓																		041		
8	G315							2	2					✓																		042		
9	G316				8-9-23	1343		2	2					✓																				
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 COF-23Q3 Rev 0	RELINQUISHED BY / AFFILIATION <i>J. Colp</i>	DATE <i>8-9</i>	TIME <i>1752</i>	ACCEPTED BY / AFFILIATION <i>Jason Stuckey</i>	DATE <i>8/9</i>	TIME <i>1752</i>	SAMPLE CONDITIONS Y N			
--	---	--------------------	---------------------	---	--------------------	---------------------	--------------------------	--	--	--

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <i>Justin Colp</i>		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER: <i>Justin Colp</i>					

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	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A	
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:	
Requested Due Date/FAT: 10 day		Project Number: 2285		Project Manager:	
				Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location		IL
STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)													Project No./ Lab I.D.							
							MATRIX CODE	SAMPLE TYPE (G-GRAB C-COMP)	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)				
																																			DRINKING WATER	WASTE WATER	PRODUCT	SCHL/SOLID
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																														0576
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
COF-23Q3 Rev 0	J. Galt	8-9	1752	Jason Galt	8/9	1752	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:	Jason Galt				
SIGNATURE of SAMPLER:	JG				
DATE Signed (MM/DD/YY):	8-9-23				

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:	
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey	
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A	
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:	
				Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location:		IL
STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)													Project No./ Lab I.D.							
							COLLECTED							Preservatives							Analysis Test ↓	Residual Chlorine (Y/N)					
							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105				COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104
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. Colp	8-10	1730	Jason Stuckey	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:	J. Colp				
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	8-10-23		

2023-09-18-01

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 7		
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY		
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp				
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		UST RCRA OTHER		
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		Site Location		
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		STATE: IL		

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.								
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103		COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)		
																																		Y	N
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 (AAT Pump)						↓	N/A	2	2																									033
16	G307D						↓	1712	2	2																									034

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
COF-23Q3 Rev 0	J. Gelp	8-10		Jason Stuckey	8/10/23	1230	Y	N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Container (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	JUSTIN GELP				
SIGNATURE of SAMPLER:	<i>Justin Gelp</i>	DATE Signed (MM/DD/YY):	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.

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	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A	
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:	
				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 (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.						
		MATRIX	CODE			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103		COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
		DW	WT			WW	P			SL	OL	WP	AR	OT	TS																			
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	
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS														
COF-23Q3 Rev 0				J. Colp				8-10				Amber Adams				8/10/23		1730		Y N														
SAMPLER NAME AND SIGNATURE																Temp in °C	Received on Ice (Y/N)	Custody Sealed Correct (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-23Q3
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	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A	
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:	
				Profile #:	

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE CRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL VAPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.								
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-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)		
																																		Y	N
1	G407				8-10-23	1432		2		2																								23071811-049	
2	G410				↓	1458		2		2																								050	
3	G411				↓	1524		2		2																								057	
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																									053
15	R104				8-10-23	0840		2		2																									
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	Justin Colp		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:	SIGNATURE of SAMPLER:				
Justin Colp	<i>Justin Colp</i>				
	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.

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		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A		
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:		
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:		
				Profile #:		
				REGULATORY AGENCY		
				NPDES	GROUND WATER	DRINKING WATER
				UST	RCRA	OTHER
				Site Location		
				STATE: IL		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₅	Methanol	Other	Analysis Test ↓	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000		COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1	G213																																
2	G214																																
3	G215																																
4	G216																																
5	G217																																
6	G218																																
7	G270		X		8-14-23	1345																											
8	G271				8-14-23	1315																											
9	G272				8-14-23	1411																											
10	G273		X		8-14-23	1432																											
11	G274				8-14-23	1400																											
12	G275				8-14-23	DRY																											
13	G275D		X		8-14-23	1120																											
14	G276		X		8-14-23	1235																											
15	G277				8-14-23	DRY																											
16	G278																																

ERL
 8/15/23

02

-015
 -016
 -017
 -018
 -019
 -018
 -019
 -020
 -021
 8/15

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q3 Rev 0	<i>J. Gulp</i>	8-14	1810	<i>Allen</i>	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:	<i>Justin Gulp</i>				
SIGNATURE of SAMPLER:	<i>Justin Gulp</i>				
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: <u>Vistra Corp</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>			
Address: <u>13498 E. 900th St</u>		Copy To: <u>Jason Stuckey</u>		Company Name: <u>Vistra Corp</u>			
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:		Address: <u>see Section A</u>			
Phone: (217) 753-8911		Fax:		Quote Reference:			
Requested Due Date/TAT: 10 day		Project Name:		Project Manager:			
		Project Number: <u>2285</u>		Profile #:			
REGULATORY AGENCY							
				NPDES		GROUND WATER	DRINKING WATER
				UST		RCRA	OTHER
				Site Location		IL	
				STATE:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	COLLECTED DATE TIME	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives		Analysis Test ↓	Requested Analysis Filtered (Y/N)												Project No. / Lab I.D.											
								Unpreserved	H ₂ SO ₄		HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105		COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)		
1	G279		<u>8-14-23</u> <u>1814</u>																														<u>022</u>	
2	G280		<u>8-14-23</u> <u>1448</u>																														<u>023</u>	
3	G281		<u>8-14-23</u> <u>1606</u>																														<u>024</u>	
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	<u>J. Colp</u>	<u>8-14</u>	<u>1810</u>	<u>Allen Cole</u>	<u>8/14</u>	<u>1810</u>	

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Container (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Justin Colp</u>							
SIGNATURE of SAMPLER: <u>JKP W</u>							

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	REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:
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 #:	

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test ↓	Requested Analysis Filtered (Y/N)															Residual Chlorine (Y/N)	Project No./ Lab I.D.				
		MATRIX	CODE				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃		Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104			COF-WPCP-106			
		DRINKING WATER WATER WASTE WATER PRODUCT SOIL/SOLID OIL WPPE AIR OTHER TISSUE	DW WF WW P SL OL WP AR OT TS				(see valid codes to left)	(G=GRAB C=COMP)																										
1	G125																																	
2	G126																																	
3	G151																																	
4	G152																																	
5	G153																																	
6	G154																																	
7	G155																																	
8	G200	inufficient water		8-15-23	DRY																												23071811-001	
9	G206																																002	
10	G206D																																003	
11	G207	DRY AFTER		8-15-23	DRY																												004	
12	G208	(ends)																															005	
13	G209																																006	
14	G210																																007	
15	G211																																008	
16	G212																																	009

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	<i>J. Cobb</i>	8-15	1518	<i>J. Cobb</i>	8-15-23	1518	12-4

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: <i>John Cobb</i>		DATE Signed (MM/DD/YY): <i>8-15-23</i>	Temp in °C <i>12.4</i>
SIGNATURE of SAMPLER: <i>John Cobb</i>			
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.

Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey	REGULATORY AGENCY	
Address: 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp		NPDES GROUND WATER DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Address: see Section A		UST RCRA OTHER
Phone: (217) 753-8911 Fax:	Project Name:	Quote Reference:		Site Location: IL
Requested Due Date/TAT: 10 day	Project Number: 2285	Project Manager:		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 WAPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE: (see valid codes to left)	SAMPLE TYPE: (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)														Project No / Lab I.D.								
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test ↓																					
																		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)					
1	G213																																					23071811-011
2	G214																																					012
3	G215																																					013
4	G216																																				014	
5	G217																																				015	
6	G218																																				016	
7	G270																																				017	
8	G271																																				018	
9	G272																																				019	
10	G273																																				020	
11	G274																																				021	
12	G275																																					
13	G275D																																					
14	G276																																					
15	G277																																					
16	G278 <i>inlet water</i>																																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	<i>J. Glop</i>	8-15	1518	<i>Justin Lolo</i>	8-15-23	1518	

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: <i>Justin Lolo</i>			Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)
SIGNATURE of SAMPLER: <i>[Signature]</i>		DATE Signed (MM/DD/YY): <i>8-15-23</i>	

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY	
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey		NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp		Site Location: IL	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A		STATE: IL	
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		Requested Analysis Filtered (Y/N)	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives											Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Project No./ Lab I.D.														
						DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101				COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
	SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE																																
1	G279																											23071811-022					
2	G280																											023					
3	G281																											024					
4	G283		8-15-23	1145																								025					
5	G284		↓	1010																								026					
6	G285			1104																								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					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Colp	8-15	1518	<i>[Signature]</i>	8-15-23	1515	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	JUSTIN COLP				
SIGNATURE of SAMPLER:	<i>[Signature]</i>				
DATE Signed (MM/DD/YY):		8-15-23			

TE
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:		Page: 6 of 7	
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
Address: 13498 E. 900th St		Copy To: Jason Stuckey		Company Name: Vistra Corp			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Address: see Section A			
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:			
				Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.						
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	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)	
1		G407																																23071811-049	
2		G410																																050	
3		G411																																051	
4		G1001	insufficient water		8-15-23	DAY																												052	
5		G1003																																	
6		L203	insufficient water		8-15-23	DAY																													
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	DAY																													054

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q3 Rev 0	J. Cop	8-15	1518	<i>[Signature]</i>	8-15-23	1518	

* = hole in air line

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Jason Cop</i>					
SIGNATURE OF SAMPLER: <i>[Signature]</i>					
DATE Signed (MM/DD/YY): <i>8-15-23</i>					

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

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

Cover Page	1
Table of Contents	3
Case Narrative	4
Chain of Custody	5
Receipt Checklists	11
Definitions/Glossary	12
Method Summary	13
Sample Summary	14
Client Sample Results	15
QC Sample Results	24
QC Association Summary	26
Tracer Carrier Summary	27

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-1
SDG: 23071811-1

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 18.2° 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.

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: Standat 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
	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 11:52	HNO3	Groundwater
	23071811-008A	8/14/23 11:34	HNO3	Groundwater
	23071811-009A	8/14/23 10:46	HNO3	Groundwater
	23071811-010A	8/10/23 15:28	HNO3	Groundwater
	23071811-011A	8/10/23 15:08	HNO3	Groundwater



*Relinquished By	Date/Time	Received By	Date/Time
[Signature]	8-10-23 11:30	[Signature]	8-16-23 4:20 PM
[Signature]	8-16-23 5:25 PM	[Signature]	8/11/23 1716

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES NO With: Ice Blue Ice Preserved in: Lab Field

Teklab Inc
 5445 Horseshoe Lake Road
 Collinsville, IL 62234

Project# 23071811

Sampler: J. Riley/B. Gillihan/J. Colp
 QC Level: 3

Cooler Temp:

Contact: Elizabeth Hurley
 Email: ehurley@teklabinc.com

Requested Due Date: Standing TAT Billing/PO: 34883

Phone: 618 344-1004 ext. 33

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.

<u>Ra226/228</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------

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
	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: [Signature]

Date/Time	Received By	Date/Time
<u>8-15-23 11:30</u>	<u>[Signature]</u>	<u>8-16-23 9:20</u>
<u>8-16-23 8:15 AM</u>	<u>[Signature]</u>	<u>8-16-23 17:15</u>

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEEN POWER PLANT, GMF RECYCLE POND
 COF-845-104

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES NO With: Ice Blue Ice Preserved in: Lab Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Project#: 23071811

Contact: Elizabeth Hurley
Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT
Billing/PO: 34883

Phone: 618 344-1004 ext. 33

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.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Ra226/228

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	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
<i>[Signature]</i>	8-11-23 16:30	<i>[Signature]</i>	8-16-23 9:20
<i>[Signature]</i>	8-16-23 8:15PM	<i>[Signature]</i>	8/16/23 1715



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 226/228 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.

Ra226/228									
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	23071811-045A	8-11-23 10:51	HNO3	Groundwater
	23071811-046A	8/14/23 15:43	HNO3	Groundwater
	23071811-047A	8-11-23 12:41	HNO3	Groundwater
	23071811-048A	8-11-23 10:13	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
<i>[Signature]</i>	8-11-23 16:30	<i>[Signature]</i>	8-16-23 9:20
<i>[Signature]</i>	8-16-23 6:15 PM	<i>[Signature]</i>	8/16/23 1:15

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:
Project#: 23071811

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standed TAT Billing/PO: 34883

Comments: **Please issue reports and invoices via email only**
Please analyze for Radium 226/228 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.

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.

Vertical columns of checkboxes for additional analytes, including Ra226/228.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	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 14:32	HNO3	Groundwater
	23071811-061A	8-9-23 13:11	HNO3	Groundwater
	23071811-062A	Dry	HNO3	Groundwater

*Relinquished By	Date/Time	Received By	Date/Time
[Signature]	8-16-23 16:30	[Signature]	8-16-23 17:10
[Signature]	8-16-23 8:15 AM	[Signature]	8-14-23 17:15

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, TMI V1 M2 Section 4.1.5.c)

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 \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 <math><6\text{mm}</math> (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

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

- EPA = US Environmental Protection Agency
- None = None
- TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

- EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



Sample Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEEN POWER PLANT, GMF RECYCLE POND

Job ID: 160-51097-1
SDG: 23071811-1

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-001A

Lab Sample ID: 160-51097-1

Date Collected: 08/10/23 10:10

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-2

Date Collected: 08/10/23 12:09

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-003A

Lab Sample ID: 160-51097-3

Date Collected: 08/10/23 11:38

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-4

Date Collected: 08/10/23 11:13

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-005A

Lab Sample ID: 160-51097-5

Date Collected: 08/10/23 10:46

Matrix: Water

Date Received: 08/16/23 17:15

Method: 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

Lab Sample ID: 160-51097-7

Date Collected: 08/14/23 11:52

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-010A

Lab Sample ID: 160-51097-10

Date Collected: 08/10/23 15:28

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-11

Date Collected: 08/10/23 15:08

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-012A

Lab Sample ID: 160-51097-12

Date Collected: 08/10/23 14:16

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-13

Date Collected: 08/10/23 13:25

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-014A

Lab Sample ID: 160-51097-14

Date Collected: 08/10/23 12:53

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-15

Date Collected: 08/14/23 13:45

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-016A

Lab Sample ID: 160-51097-16

Date Collected: 08/14/23 13:15

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-17

Date Collected: 08/14/23 14:32

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-1
SDG: 23071811-1

Client Sample ID: 23071811-019A

Lab Sample ID: 160-51097-19

Date Collected: 08/14/23 11:20

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-20

Date Collected: 08/14/23 12:35

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND
 Job ID: 160-51097-1
 SDG: 23071811-1

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

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		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
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	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
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	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER
				Uncert. (2σ+/-)							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		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND

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	%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	%Yield	LCSD Qualifier	Limits								
Ba Carrier	94.2		30 - 110								
Y Carrier	86.7		30 - 110								

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND

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

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (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

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND

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	Y
		(30-110)	(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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

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

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



Authorized for release by
Jayna Awalt, Project Manager II
Jayna.Awalt@et.eurofinsus.com
(314)298-8566

Generated
9/28/2023 8:46:37 AM
Revision 1



Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Chain of Custody	6
Receipt Checklists	12
Definitions/Glossary	13
Method Summary	14
Sample Summary	15
Client Sample Results	16
QC Sample Results	25
QC Association Summary	28
Tracer Carrier Summary	30

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-2
SDG: 23071811-2

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 18.2° 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.

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

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

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

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES NO With: Ice Blue Ice Preserved in: Lab Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234
Project#: 23071811
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.
Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standa 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.

Ra226/228

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	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



*Relinquished By	Date/Time	Received By	Date/Time
[Signature]	8-16-23 11:30	[Signature]	8-16-23 4:20 PM
[Signature]	8-16-23 5:15 PM	[Signature]	8/16/23 1716
[Signature]			

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

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 34883

Phone: 618 344-1004 ext. 33

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.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Ra226/228

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	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 13:45	HNO3	Groundwater
	23071811-016A	8/14/23 13:15	HNO3	Groundwater
	23071811-017A	8/14/23 14:32	HNO3	Groundwater
	23071811-018A	Day	HNO3	Groundwater
	23071811-019A	8/14/23 11:20	HNO3	Groundwater
	23071811-020A	8/14/23 12:35	HNO3	Groundwater
	23071811-021A	Day	HNO3	Groundwater
	23071811-022A	Day	HNO3	Groundwater

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	8-16-23 11:30	<i>[Signature]</i>	8-16-23 4:20
<i>[Signature]</i>	8-16-23 8:15 PM	<i>[Signature]</i>	8/16/23 1715



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
	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: *[Signature]* Date/Time: 8-14-23 11:30
[Signature] Date/Time: 8-16-23 9:20
Received By: *[Signature]* Date/Time: 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 Sector: 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
 Project#: 23071811
 Cooler Temp: Sampler: J. Riley/B. Gillihan/J. Colp QC Level: 3
 Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
 Requested Due Date: Standad TAT Billing/PO: 34883 Phone: 618 344-1004 ext. 33

Comments: **Please issue reports and invoices via email only**
 Please analyze for Radium 226/228 per standard GW methods.
 Changes to methods must be approved by Teklab, Inc.
 Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	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	<u>8-11-23 1122</u>	HNO3	Groundwater
	23071811-044A	<u>8-11-23 1204</u>	HNO3	Groundwater

Ra226/228

*Relinquished By: *[Signature]* Date/Time: 8-16-23 16:30
 Received By: *[Signature]* Date/Time: 8-16-23 8:15PM
 Date/Time: 8-16-23 9:20
 Date/Time: 8/16/23 1715

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 Lab Field Preserved in:

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 226/228 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: Standard 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.

Table with 15 columns for analyte results (Ra226/228) and 15 empty rows for data entry.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	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 14:32	HNO3	Groundwater
	23071811-061A	8-9-23 13:11	HNO3	Groundwater
	23071811-062A	Dry	HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater

*Relinquished By [Signature] Date/Time 8-16-23 16:30 Received By [Signature] Date/Time 8-16-23 17:15

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, TMI V1 M2 Section 4.1.5.c)



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 \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 <math><6\text{mm}</math> (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

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

- EPA = US Environmental Protection Agency
- None = None
- TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

- EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



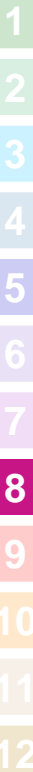
Sample Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEEN POWER PLANT, GMF RECYCLE POND

Job ID: 160-51097-2
SDG: 23071811-2

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-023A

Lab Sample ID: 160-51097-23

Date Collected: 08/14/23 14:48

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-24

Date Collected: 08/14/23 16:06

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-025A

Lab Sample ID: 160-51097-25

Date Collected: 08/15/23 11:45

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-26

Date Collected: 08/15/23 10:10

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-027A

Lab Sample ID: 160-51097-27

Date Collected: 08/15/23 11:04

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-28

Date Collected: 08/09/23 11:13

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-034A

Lab Sample ID: 160-51097-34

Date Collected: 08/10/23 12:12

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-35

Date Collected: 08/10/23 13:00

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-2
SDG: 23071811-2

Client Sample ID: 23071811-036A

Lab Sample ID: 160-51097-36

Date Collected: 08/09/23 10:36

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-37

Date Collected: 08/09/23 12:28

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

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

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEEN POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-2
 SDG: 23071811-2

Client Sample ID: 23071811-040A

Lab Sample ID: 160-51097-40

Date Collected: 08/09/23 14:53

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

QC Sample Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEEN POWER PLANT, GMF RECYCLE POND
 Job ID: 160-51097-2
 SDG: 23071811-2

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

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		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
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		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	Qualifier	30 - 110					08/22/23 09:46	09/13/23 21:36	1
	99.7									

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	RL	MDC	Unit	%Rec	%Rec Limits		
				Uncert. (2σ+/-)							
Radium-226	11.3	9.996		1.07	1.00	0.107	pCi/L	88	75 - 125		
Carrier	LCS	LCS									
Ba Carrier	%Yield	Qualifier	Limits								
	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	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit	
				Uncert. (2σ+/-)								
Radium-226	11.3	10.90		1.16	1.00	0.133	pCi/L	96	75 - 125	0.41	1	
Carrier	LCSD	LCSD										
Ba Carrier	%Yield	Qualifier	Limits									
	94.2		30 - 110									

Lab Sample ID: MB 160-624956/1-A
 Matrix: Water
 Analysis Batch: 627936

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 624956

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
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		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	Qualifier	30 - 110					08/22/23 09:49	09/13/23 07:23	1
	68.9									

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

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.65		1.15	1.00	0.115	pCi/L	94	75 - 125

Eurofins St. Louis

QC Sample Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEEN POWER PLANT, GMF RECYCLE POND
 Job ID: 160-51097-2
 SDG: 23071811-2

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

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	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec		RER	RER
									Limits	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
								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	RER
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	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec		RER	RER
									Limits	RER	Limit	
Radium-228	7.89	7.989		1.15	1.00	0.505	pCi/L	101	75 - 125	0.07		1

QC Sample Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEEN POWER PLANT, GMF RECYCLE POND
 Job ID: 160-51097-2
 SDG: 23071811-2

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

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		Limits
	%Yield	Qualifier	
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		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
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		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
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

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	76.9		30 - 110
Y Carrier	84.5		30 - 110

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-2
SDG: 23071811-2

Rad

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	

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-2
SDG: 23071811-2

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	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND

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

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		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

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		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

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEN POWER PLANT, GMF RECYCLE POND

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

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

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



Authorized for release by
Jayna Awalt, Project Manager II
Jayna.Awalt@et.eurofinsus.com
(314)298-8566

Generated
9/28/2023 8:55:05 AM
Revision 1



Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Chain of Custody	6
Receipt Checklists	12
Definitions/Glossary	13
Method Summary	14
Sample Summary	15
Client Sample Results	16
QC Sample Results	25
QC Association Summary	26
Tracer Carrier Summary	27

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Job ID: 160-51097-3
SDG: 23071811-3

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

CAUTION: EXTERNAL EMAIL - Sent from an email domain that is not formally trusted by Eurofins.

Do not click on links or open attachments unless you recognise the sender and are certain that the content is safe.

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

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

TEKLAB, INC. Chain of Custody

SubCocRevA
3/2/2016

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

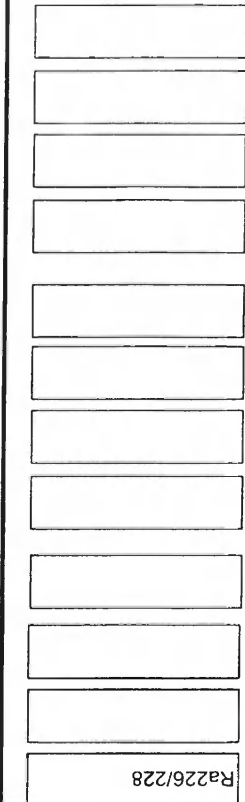
Are the samples chilled? YES NO NO Ice Blue Ice Preserved in: Lab Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Project#: 23071811
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.

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standat 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
	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 11:52	HNO3	Groundwater
	23071811-008A	8/14/23 11:34	HNO3	Groundwater
	23071811-009A	8/14/23 10:46	HNO3	Groundwater
	23071811-010A	8/10/23 15:28	HNO3	Groundwater
	23071811-011A	8/10/23 15:08	HNO3	Groundwater

*Relinquished By	Date/Time	Received By	Date/Time
[Signature]	8-10-23 11:30	[Signature]	8-16-23 4:30 PM
	8-16-23 5:25 PM	FEDEX SW	8/16/23 1716

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)

1
2
3
4
5
6
7
8
9
0
1
2

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES NO With: Ice Blue Ice Preserved in: Lab Field

Teklab Inc
 5445 Horseshoe Lake Road
 Collinsville, IL 62234

Project#: 23071811

Contact: Elizabeth Hurley
 Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT

Sampler: J. Riley/B. Gillihan/J. Colp
 Cooler Temp: 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.

Phone: 618 344-1004 ext. 33

PLEASE NOTE:
 NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Ra226/228

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	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	Day	HNO3	Groundwater
	23071811-019A	8/14/23 1120	HNO3	Groundwater
	23071811-020A	8/14/23 1235	HNO3	Groundwater
	23071811-021A	Day	HNO3	Groundwater
	23071811-022A	Day	HNO3	Groundwater

*Relinquished By: *[Signature]* Date/Time: 8-16-23 16:30
 Received By: *[Signature]* Date/Time: 8-16-23 8:15 PM

Date/Time: 8-16-23 4:20
 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

Project#: 23071811

Contact: Elizabeth Hurley
 Requested Due Date: Standad TAT

Sampler: J. Riley/B. Gillihan/J. Colp
 Cooler Temp: QC Level: 3

Email: ehurley@teklabinc.com
 Billing/PO: 34883

Phone: 618 344-1004 ext. 33

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.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Ra226/228

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Date/Time
	23071811-023A	8/14/23 1448	HNO3	Groundwater	8-16-23 9:20
	23071811-024A	8/14/23 1606	HNO3	Groundwater	8/16/23 1715
	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: *[Signature]* Date/Time: 8-16-23 11:30
 Received By: *[Signature]* Date/Time: 8-16-23 8:15 PM
Sara Wayburn

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:

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#:

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com

Requested Due Date: Billing/PO:

Phone:

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
	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
<i>[Signature]</i>	8-16-23 16:30	<i>[Signature]</i>	8-16-23 9:20
<i>[Signature]</i>	8-16-23 8:15PM	Sing Wapfen	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
 Project#: 23071811
 Contact: Elizabeth Hurley
 Email: ehurley@teklabinc.com
 Requested Due Date: Standad TAT
 Billing/PO: 34883
 Cooler Temp: _____ Sampler: J. Riley/B. Gillion/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.
 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
	23071811-045A	<u>8-11-23 10:51</u>	HNO3	Groundwater
	23071811-046A	8/14/23 15:43	HNO3	Groundwater
	23071811-047A	<u>8-11-23 12:41</u>	HNO3	Groundwater
	23071811-048A	<u>8-11-23 10:13</u>	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

Ra226/228

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Relinquished By	Date/Time	Received By	Date/Time
<u>[Signature]</u>	<u>8-11-23 16:30</u>	<u>[Signature]</u>	<u>8-10-23 9:20</u>
<u>[Signature]</u>	<u>8-10-23 8:15 PM</u>	<u>[Signature]</u>	<u>8/10/23 1:15</u>

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 Lab Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Project# 23071811

Sampler: J. Riley/B. Gillihan/J. Colp
Cooler Temp: QC Level: 3

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standed TAT Billing/PO: 34883
Phone: 618 344-1004 ext. 33

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.

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
	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 16:32 + 16:32	HNO3	Groundwater
	23071811-061A	8-9-23 13:11 + 13:11	HNO3	Groundwater
	23071811-062A	Dry	HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater

*Relinquished By:

Date/Time	Received By	Date/Time
8-16-23 16:30		8-16-23 16:20
8-16-23 16:30	Anna Elyse	8/16/23 17:15

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 \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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 <math><6\text{mm}</math> (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

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

- EPA = US Environmental Protection Agency
- None = None
- TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

- EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



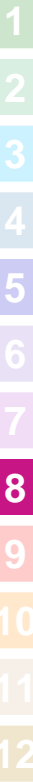
Sample Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-3
SDG: 23071811-3

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

845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-041A

Lab Sample ID: 160-51097-41

Date Collected: 08/10/23 11:29

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-42

Date Collected: 08/09/23 13:43

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-043A

Lab Sample ID: 160-51097-43

Date Collected: 08/11/23 11:22

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-44

Date Collected: 08/11/23 12:09

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

045 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-045A

Lab Sample ID: 160-51097-45

Date Collected: 08/11/23 10:51

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-46

Date Collected: 08/14/23 15:43

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-047A

Lab Sample ID: 160-51097-47

Date Collected: 08/11/23 12:41

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-48

Date Collected: 08/11/23 10:13

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-049A

Lab Sample ID: 160-51097-49

Date Collected: 08/10/23 14:32

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-50

Date Collected: 08/10/23 14:58

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-051A

Lab Sample ID: 160-51097-51

Date Collected: 08/10/23 15:24

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-53

Date Collected: 08/15/23 13:12

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-055A

Lab Sample ID: 160-51097-55

Date Collected: 08/15/23 12:53

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-56

Date Collected: 08/10/23 13:22

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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 Results

945 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-3
SDG: 23071811-3

Client Sample ID: 23071811-057A

Lab Sample ID: 160-51097-57

Date Collected: 08/10/23 13:45

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

Lab Sample ID: 160-51097-58

Date Collected: 08/15/23 10:35

Matrix: Water

Date Received: 08/16/23 17:15

Method: EPA 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

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEE POWER PLANT, GMF RECYCLE POND
 Job ID: 160-51097-3
 SDG: 23071811-3

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

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

Eurofins St. Louis

QC Sample Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2023
 COFFEEEN POWER PLANT, GMF RECYCLE POND
 Job ID: 160-51097-3
 SDG: 23071811-3

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

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						

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEE POWER PLANT, GMF RECYCLE POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-51097-3
SDG: 23071811-3

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND

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

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		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 160-625151/2-A	Lab Control Sample	96.7	87.9
MB 160-625151/1-A	Method Blank	91.7	85.6

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2023
COFFEEN POWER PLANT, GMF RECYCLE POND

Job ID: 160-51097-3
SDG: 23071811-3

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

1

2

3

4

5

6

7

8

9

10

11

12

**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
GMF RECYCLE POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G271	UA	E002	Antimony, total	mg/L	11/23/15 - 08/14/23	23	97	CI around median	0.003	0.003
G271	UA	E002	Arsenic, total	mg/L	11/23/15 - 08/14/23	25	76	CI around median	0.001	0.00660
G271	UA	E002	Barium, total	mg/L	11/23/15 - 08/14/23	26	0	CB around T-S line	0.0154	0.110
G271	UA	E002	Beryllium, total	mg/L	11/23/15 - 08/14/23	23	97	CI around median	0.001	0.001
G271	UA	E002	Boron, total	mg/L	11/23/15 - 08/14/23	27	0	CI around geomean	0.68	1.00
G271	UA	E002	Cadmium, total	mg/L	11/23/15 - 08/14/23	23	98	CI around median	0.001	0.001
G271	UA	E002	Chloride, total	mg/L	11/23/15 - 08/14/23	27	0	CB around linear reg	44.6	67.0
G271	UA	E002	Chromium, total	mg/L	11/23/15 - 08/14/23	25	84	CI around median	0.004	0.0190
G271	UA	E002	Cobalt, total	mg/L	11/23/15 - 08/14/23	25	86	CI around median	0.002	0.00590
G271	UA	E002	Fluoride, total	mg/L	11/23/15 - 08/14/23	27	8	CI around mean	0.326	0.564
G271	UA	E002	Lead, total	mg/L	11/23/15 - 08/14/23	26	64	CI around median	0.001	0.0120
G271	UA	E002	Lithium, total	mg/L	11/23/15 - 08/14/23	21	100	All ND - Last	0.003	0.0190
G271	UA	E002	Mercury, total	mg/L	11/23/15 - 08/14/23	23	100	All ND - Last	0.0002	0.0002
G271	UA	E002	Molybdenum, total	mg/L	11/23/15 - 08/14/23	26	68	CI around median	0.001	0.00450
G271	UA	E002	pH (field)	SU	11/23/15 - 08/14/23	29	0	CI around mean	7.1/7.3	6.6/7.6
G271	UA	E002	Radium 226 + Radium 228, total	pCi/L	11/23/15 - 08/14/23	21	0	CI around geomean	0.361	1.60
G271	UA	E002	Selenium, total	mg/L	11/23/15 - 08/14/23	25	5	CI around mean	0.00156	0.00480
G271	UA	E002	Sulfate, total	mg/L	11/23/15 - 08/14/23	27	0	CB around linear reg	190	94.0
G271	UA	E002	Thallium, total	mg/L	11/23/15 - 08/14/23	24	97	CI around median	0.001	0.001
G271	UA	E002	Total Dissolved Solids	mg/L	11/23/15 - 08/14/23	27	0	CI around mean	802	551
G273	UA	E002	Antimony, total	mg/L	11/24/15 - 08/14/23	23	97	CI around median	0.003	0.003
G273	UA	E002	Arsenic, total	mg/L	11/24/15 - 08/14/23	26	86	CI around median	0.001	0.00660
G273	UA	E002	Barium, total	mg/L	11/24/15 - 08/14/23	26	0	CI around median	0.029	0.110
G273	UA	E002	Beryllium, total	mg/L	11/24/15 - 08/14/23	23	100	All ND - Last	0.001	0.001
G273	UA	E002	Boron, total	mg/L	11/24/15 - 08/14/23	27	6	CB around T-S line	-0.0599	1.00
G273	UA	E002	Cadmium, total	mg/L	11/24/15 - 08/14/23	23	98	CI around median	0.001	0.001
G273	UA	E002	Chloride, total	mg/L	11/24/15 - 08/14/23	27	0	CB around T-S line	69.3	67.0

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G273	UA	E002	Chromium, total	mg/L	11/24/15 - 08/14/23	25	100	All ND - Last	0.0015	0.0190
G273	UA	E002	Cobalt, total	mg/L	11/24/15 - 08/14/23	25	97	CI around median	0.002	0.00590
G273	UA	E002	Fluoride, total	mg/L	11/24/15 - 08/14/23	27	18	CI around mean	0.298	0.564
G273	UA	E002	Lead, total	mg/L	11/24/15 - 08/14/23	26	90	CI around median	0.001	0.0120
G273	UA	E002	Lithium, total	mg/L	11/24/15 - 08/14/23	21	86	CB around T-S line	0.01	0.0190
G273	UA	E002	Mercury, total	mg/L	11/24/15 - 08/14/23	23	100	All ND - Last	0.0002	0.0002
G273	UA	E002	Molybdenum, total	mg/L	11/24/15 - 08/14/23	26	89	CI around median	0.001	0.00450
G273	UA	E002	pH (field)	SU	11/24/15 - 08/14/23	29	0	CI around mean	7.0/7.2	6.6/7.6
G273	UA	E002	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 08/14/23	21	0	CB around linear reg	-0.445	1.60
G273	UA	E002	Selenium, total	mg/L	11/24/15 - 08/14/23	26	95	CI around median	0.001	0.00480
G273	UA	E002	Sulfate, total	mg/L	11/24/15 - 08/14/23	27	0	CI around median	410	94.0
G273	UA	E002	Thallium, total	mg/L	11/24/15 - 08/14/23	24	94	CI around median	0.001	0.001
G273	UA	E002	Total Dissolved Solids	mg/L	11/24/15 - 08/14/23	27	0	CB around linear reg	1,030	551
G275D	DA	E002	Antimony, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.001	0.003
G275D	DA	E002	Arsenic, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	0.00218	0.00660
G275D	DA	E002	Barium, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	0.303	0.110
G275D	DA	E002	Beryllium, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.001	0.001
G275D	DA	E002	Boron, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	0.19	1.00
G275D	DA	E002	Cadmium, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.001	0.001
G275D	DA	E002	Chloride, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	21.5	67.0
G275D	DA	E002	Chromium, total	mg/L	03/30/21 - 08/14/23	7	86	CI around median	0.0015	0.0190
G275D	DA	E002	Cobalt, total	mg/L	03/30/21 - 08/14/23	7	57	CI around median	0.001	0.00590
G275D	DA	E002	Fluoride, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	0.367	0.564
G275D	DA	E002	Lead, total	mg/L	03/30/21 - 08/14/23	7	86	CI around median	0.001	0.0120
G275D	DA	E002	Lithium, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.003	0.0190
G275D	DA	E002	Mercury, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.0002	0.0002
G275D	DA	E002	Molybdenum, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	0.00562	0.00450

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G275D	DA	E002	pH (field)	SU	03/30/21 - 08/14/23	7	0	CI around mean	7.0/7.4	6.6/7.6
G275D	DA	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/14/23	8	0	CI around mean	0.36	1.60
G275D	DA	E002	Selenium, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.001	0.00480
G275D	DA	E002	Sulfate, total	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	126	94.0
G275D	DA	E002	Thallium, total	mg/L	03/30/21 - 08/14/23	7	100	All ND - Last	0.002	0.001
G275D	DA	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/14/23	7	0	CI around mean	925	551
G276	UA	E002	Antimony, total	mg/L	11/24/15 - 08/14/23	23	97	CI around median	0.003	0.003
G276	UA	E002	Arsenic, total	mg/L	11/24/15 - 08/14/23	26	86	Most recent sample	0.001	0.00660
G276	UA	E002	Barium, total	mg/L	11/24/15 - 08/14/23	26	0	CB around linear reg	0.0374	0.110
G276	UA	E002	Beryllium, total	mg/L	11/24/15 - 08/14/23	23	94	Most recent sample	0.001	0.001
G276	UA	E002	Boron, total	mg/L	11/24/15 - 08/14/23	27	12	CI around geomean	0.0165	1.00
G276	UA	E002	Cadmium, total	mg/L	11/24/15 - 08/14/23	23	100	All ND - Last	0.001	0.001
G276	UA	E002	Chloride, total	mg/L	11/24/15 - 08/14/23	27	0	CI around geomean	22.4	67.0
G276	UA	E002	Chromium, total	mg/L	11/24/15 - 08/14/23	25	89	CI around median	0.004	0.0190
G276	UA	E002	Cobalt, total	mg/L	11/24/15 - 08/14/23	25	97	CI around median	0.002	0.00590
G276	UA	E002	Fluoride, total	mg/L	11/24/15 - 08/14/23	27	5	CI around median	0.345	0.564
G276	UA	E002	Lead, total	mg/L	11/24/15 - 08/14/23	26	80	CI around median	0.001	0.0120
G276	UA	E002	Lithium, total	mg/L	11/24/15 - 08/14/23	21	48	CB around linear reg	0.0158	0.0190
G276	UA	E002	Mercury, total	mg/L	11/24/15 - 08/14/23	23	100	All ND - Last	0.0002	0.0002
G276	UA	E002	Molybdenum, total	mg/L	11/24/15 - 08/14/23	26	82	CI around median	0.001	0.00450
G276	UA	E002	pH (field)	SU	11/24/15 - 08/14/23	28	0	CB around linear reg	6.8/7.0	6.6/7.6
G276	UA	E002	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 08/14/23	21	0	CI around geomean	0.324	1.60
G276	UA	E002	Selenium, total	mg/L	11/24/15 - 08/14/23	26	33	CB around linear reg	0.000783	0.00480
G276	UA	E002	Sulfate, total	mg/L	11/24/15 - 08/14/23	27	0	CB around linear reg	255	94.0
G276	UA	E002	Thallium, total	mg/L	11/24/15 - 08/14/23	24	100	All ND - Last	0.002	0.001
G276	UA	E002	Total Dissolved Solids	mg/L	11/24/15 - 08/14/23	27	0	CB around T-S line	849	551
G283	LCU	E002	Antimony, total	mg/L	03/31/21 - 08/15/23	10	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
GMF RECYCLE POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G283	LCU	E002	Arsenic, total	mg/L	03/31/21 - 08/15/23	10	50	CI around median	0.001	0.00660
G283	LCU	E002	Barium, total	mg/L	03/31/21 - 08/15/23	10	0	CI around median	0.16	0.110
G283	LCU	E002	Beryllium, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.001	0.001
G283	LCU	E002	Boron, total	mg/L	03/31/21 - 08/15/23	10	0	CI around mean	0.0367	1.00
G283	LCU	E002	Cadmium, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.001	0.001
G283	LCU	E002	Chloride, total	mg/L	03/31/21 - 08/15/23	10	0	CI around mean	37.2	67.0
G283	LCU	E002	Chromium, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.0015	0.0190
G283	LCU	E002	Cobalt, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.001	0.00590
G283	LCU	E002	Fluoride, total	mg/L	03/31/21 - 08/15/23	10	20	CI around mean	0.29	0.564
G283	LCU	E002	Lead, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.001	0.0120
G283	LCU	E002	Lithium, total	mg/L	03/31/21 - 08/15/23	10	90	CI around median	0.02	0.0190
G283	LCU	E002	Mercury, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.0002	0.0002
G283	LCU	E002	Molybdenum, total	mg/L	03/31/21 - 08/15/23	10	0	CI around geomean	0.00155	0.00450
G283	LCU	E002	pH (field)	SU	03/31/21 - 08/15/23	10	0	CI around mean	7.0/7.1	6.6/7.6
G283	LCU	E002	Radium 226 + Radium 228, total	pCi/L	03/31/21 - 08/15/23	10	0	CI around mean	0.42	1.60
G283	LCU	E002	Selenium, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.001	0.00480
G283	LCU	E002	Sulfate, total	mg/L	03/31/21 - 08/15/23	10	0	CI around median	240	94.0
G283	LCU	E002	Thallium, total	mg/L	03/31/21 - 08/15/23	10	100	All ND - Last	0.002	0.001
G283	LCU	E002	Total Dissolved Solids	mg/L	03/31/21 - 08/15/23	10	0	CI around mean	776	551
G284	UA	E002	Antimony, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.003
G284	UA	E002	Arsenic, total	mg/L	03/30/21 - 08/15/23	10	90	Most recent sample	0.001	0.00660
G284	UA	E002	Barium, total	mg/L	03/30/21 - 08/15/23	10	0	CI around median	0.063	0.110
G284	UA	E002	Beryllium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.001
G284	UA	E002	Boron, total	mg/L	03/30/21 - 08/15/23	10	0	CI around geomean	0.0385	1.00
G284	UA	E002	Cadmium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.001
G284	UA	E002	Chloride, total	mg/L	03/30/21 - 08/15/23	10	0	CI around mean	36.1	67.0
G284	UA	E002	Chromium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.0015	0.0190

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G284	UA	E002	Cobalt, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.00590
G284	UA	E002	Fluoride, total	mg/L	03/30/21 - 08/15/23	10	0	CI around mean	0.485	0.564
G284	UA	E002	Lead, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.0120
G284	UA	E002	Lithium, total	mg/L	03/30/21 - 08/15/23	10	90	CI around median	0.02	0.0190
G284	UA	E002	Mercury, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.0002	0.0002
G284	UA	E002	Molybdenum, total	mg/L	03/30/21 - 08/15/23	10	40	CI around median	0.001	0.00450
G284	UA	E002	pH (field)	SU	03/30/21 - 08/15/23	10	0	CI around mean	7.1/7.3	6.6/7.6
G284	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/15/23	10	0	CI around mean	0.062	1.60
G284	UA	E002	Selenium, total	mg/L	03/30/21 - 08/15/23	10	80	CI around median	0.001	0.00480
G284	UA	E002	Sulfate, total	mg/L	03/30/21 - 08/15/23	10	0	CI around median	63	94.0
G284	UA	E002	Thallium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.002	0.001
G284	UA	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/15/23	10	0	CI around mean	438	551
G285	LCU	E002	Antimony, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.003
G285	LCU	E002	Arsenic, total	mg/L	03/30/21 - 08/15/23	10	60	CI around median	0.001	0.00660
G285	LCU	E002	Barium, total	mg/L	03/30/21 - 08/15/23	10	0	CB around linear reg	0.0209	0.110
G285	LCU	E002	Beryllium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.001
G285	LCU	E002	Boron, total	mg/L	03/30/21 - 08/15/23	10	0	CI around mean	0.108	1.00
G285	LCU	E002	Cadmium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.001
G285	LCU	E002	Chloride, total	mg/L	03/30/21 - 08/15/23	10	0	CB around linear reg	0.0349	67.0
G285	LCU	E002	Chromium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.0015	0.0190
G285	LCU	E002	Cobalt, total	mg/L	03/30/21 - 08/15/23	10	20	CI around mean	0.0023	0.00590
G285	LCU	E002	Fluoride, total	mg/L	03/30/21 - 08/15/23	10	30	CI around mean	0.269	0.564
G285	LCU	E002	Lead, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.0120
G285	LCU	E002	Lithium, total	mg/L	03/30/21 - 08/15/23	10	90	CI around median	0.02	0.0190
G285	LCU	E002	Mercury, total	mg/L	03/30/21 - 08/15/23	10	90	CI around median	0.0002	0.0002
G285	LCU	E002	Molybdenum, total	mg/L	03/30/21 - 08/15/23	10	0	CB around linear reg	0.000348	0.00450
G285	LCU	E002	pH (field)	SU	03/30/21 - 08/15/23	10	0	CI around median	6.7/6.9	6.6/7.6

**ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023**

845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF RECYCLE POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G285	LCU	E002	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/15/23	10	0	CI around mean	1.31	1.60
G285	LCU	E002	Selenium, total	mg/L	03/30/21 - 08/15/23	10	100	All ND - Last	0.001	0.00480
G285	LCU	E002	Sulfate, total	mg/L	03/30/21 - 08/15/23	10	0	CI around mean	541	94.0
G285	LCU	E002	Thallium, total	mg/L	03/30/21 - 08/15/23	10	90	CI around median	0.001	0.001
G285	LCU	E002	Total Dissolved Solids	mg/L	03/30/21 - 08/15/23	10	0	CI around mean	1,450	551

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

Most recent sample = Result for the most recently collected sample used due to insufficient data

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

For pH, the values presented are the lower / upper limits of the background determination