Luminant

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

March 10, 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 Gypsum Stack Pond; IEPA ID # W1350150004-03

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Illinois Power Generating Company is submitting groundwater monitoring data for the Quarter 4, 2023 sampling event at the Coffeen Power Plant Gypsum Management Facility Gypsum Stack Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1350150004-03. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were 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).

A Corrective Measures Assessment (CMA) was initiated on January 14, 2024 in accordance with 35 I.A.C. § 845.660. GWPS exceedances for subsequent events will be incorporated into the CMA on a case-by-case basis, as opposed to generating a new CMA. As allowed in 35 I.A.C. § 845.650(e), an alternative source demonstration (ASD) will be evaluated for the detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to IEPA within 60 days of this transmittal.

Sincerely,

Dianna Tickner

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

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 4, 2023, GMF Gypsum Stack Pond, Coffeen Power Plant, Coffeen, Illinois

RAMBOLL

ENVIRONMENT
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35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 4, 2023
GMF GSP, COFFEEN POWER PLANT, COFFEEN, ILLINOIS

March 10, 2024

Samples were collected between November 14 and November 17, 2023 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on January 10, 2024. Since Quarter 4, 2023 results were not available for inclusion in the 2023 Annual Groundwater Monitoring and Corrective Action Report (2023 Annual Report), this document also serves as an addendum to the 2023 Annual Report.

The monitoring well locations are included in **Figure 1**. **Attachment A** summarizes the groundwater elevation data for the Quarter 4, 2023 sampling event. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 4, 2023 sampling event. SG-04 located on the unnamed tributary was destroyed following a rain event in October 2023; alternative construction methods for monitoring at this location are being evaluated. A connection could not be established to the transducer installed at the NE Riser by the field team during Quarter 4, 2023 and no groundwater elevation has been reported.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan[1] provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 4, 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.

A Corrective Measures Assessment (CMA) was initiated on January 14, 2024 in accordance with 35 I.A.C. § 845.660. GWPS exceedances for subsequent events will be incorporated into the CMA on a case-by-case basis, as opposed to generating a new CMA.

As allowed in 35 I.A.C. § 845.650(e), an alternative source demonstration (ASD) will be evaluated for any new 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

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

FIGURES

ATTACHMENTS

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G200	Background	E003	11/14/2023	Antimony, total	0.0007 J	mg/L
G200	Background	E003	11/14/2023	Arsenic, total	0.00200	mg/L
G200	Background	E003	11/14/2023	Barium, total	0.0818	mg/L
G200	Background	E003	11/14/2023	Beryllium, total	0.0002 U	mg/L
G200	Background	E003	11/14/2023	Boron, total	0.01 J	mg/L
G200	Background	E003	11/14/2023	Cadmium, total	0.0002 U	mg/L
G200	Background	E003	11/14/2023	Calcium, total	80.3	mg/L
G200	Background	E003	11/14/2023	Chloride, total	43.0	mg/L
G200	Background	E003	11/14/2023	Chromium, total	0.00320 J+	mg/L
G200	Background	E003	11/14/2023	Cobalt, total	0.00130 J	mg/L
G200	Background	E003	11/14/2023	Dissolved Oxygen	0.980	mg/L
G200	Background	E003	11/14/2023	Fluoride, total	0.380	mg/L
G200	Background	E003	11/14/2023	Lead, total	0.00270 J	mg/L
G200	Background	E003	11/14/2023	Lithium, total	0.00670	mg/L
G200	Background	E003	11/14/2023	Mercury, total	0.00013 U	mg/L
G200	Background	E003	11/14/2023	Molybdenum, total	0.0006 U	mg/L
G200	Background	E003	11/14/2023	Oxidation Reduction Potential	97.0	mV
G200	Background	E003	11/14/2023	pH (field)	7.2	SU
G200	Background	E003	11/14/2023	Radium 226 + Radium 228, total	3.75 J	pCi/L
G200	Background	E003	11/14/2023	Selenium, total	0.00290	mg/L
G200	Background	E003	11/14/2023	Specific Conductance @ 25C (field)	793	micromhos/cm
G200	Background	E003	11/14/2023	Sulfate, total	106	mg/L
G200	Background	E003	11/14/2023	Temperature	16.0	degrees C
G200	Background	E003	11/14/2023	Thallium, total	0.001 U	mg/L
G200	Background	E003	11/14/2023	Total Dissolved Solids	455	mg/L
G200	Background	E003	11/14/2023	Turbidity, field	100	NTU
R201	Background	E003	11/14/2023	Antimony, total	0.0008 J	mg/L
R201	Background	E003	11/14/2023	Arsenic, total	0.00280	mg/L
R201	Background	E003	11/14/2023	Barium, total	0.0879	mg/L
R201	Background	E003	11/14/2023	Beryllium, total	0.0002 U	mg/L
R201	Background	E003	11/14/2023	Boron, total	0.0092 U	mg/L
R201	Background	E003	11/14/2023	Cadmium, total	0.0002 U	mg/L
R201	Background	E003	11/14/2023	Calcium, total	103	mg/L
R201	Background	E003	11/14/2023	Chloride, total	60.0 J	mg/L
R201	Background	E003	11/14/2023	Chromium, total	0.00210 J+	mg/L
R201	Background	E003	11/14/2023	Cobalt, total	0.0007 J	mg/L
R201	Background	E003	11/14/2023	Dissolved Oxygen	0.750	mg/L
R201	Background	E003	11/14/2023	Fluoride, total	0.410	mg/L
R201	Background	E003	11/14/2023	Lead, total	0.0007 J	mg/L
R201	Background	E003	11/14/2023	Lithium, total	0.00300 J	mg/L
R201	Background	E003	11/14/2023	Mercury, total	0.00006 U	mg/L
R201	Background	E003	11/14/2023	Molybdenum, total	0.001 J	mg/L
R201	Background	E003	11/14/2023	Oxidation Reduction Potential	-97.0	mV
R201	Background	E003	11/14/2023	pH (field)	7.0	SU
R201	Background	E003	11/14/2023	Radium 226 + Radium 228, total	1.44	pCi/L
R201	Background	E003	11/14/2023	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
R201	Background	E003	11/14/2023	Specific Conductance @ 25C (field)	1,160	micromhos/cm
R201	Background	E003	11/14/2023	Sulfate, total	167 J	mg/L
R201	Background	E003	11/14/2023	Temperature	16.0	degrees C
R201	Background	E003	11/14/2023	Thallium, total	0.001 U	mg/L
R201	Background	E003	11/14/2023	Total Dissolved Solids	705	mg/L
R201	Background	E003	11/14/2023	Turbidity, field	14.0	NTU
G206	Compliance	E003	11/15/2023	Antimony, total	0.0004 U	mg/L
G206	Compliance	E003	11/15/2023	Arsenic, total	0.00160	mg/L
G206	Compliance	E003	11/15/2023	Barium, total	0.0534	mg/L
G206	Compliance	E003	11/15/2023	Beryllium, total	0.0002 U	mg/L
G206	Compliance	E003	11/15/2023	Boron, total	0.0092 U	mg/L
G206	Compliance	E003	11/15/2023	Cadmium, total	0.0002 U	mg/L
G206	Compliance	E003	11/15/2023	Calcium, total	83.3	mg/L
G206	Compliance	E003	11/15/2023	Chloride, total	23.0	mg/L
G206	Compliance	E003	11/15/2023	Chromium, total	0.0007 U	mg/L
G206	Compliance	E003	11/15/2023	Cobalt, total	0.0002 J	mg/L
G206	Compliance	E003	11/15/2023	Dissolved Oxygen	1.21	mg/L
G206	Compliance	E003	11/15/2023	Fluoride, total	0.480	mg/L
G206	Compliance	E003	11/15/2023	Lead, total	0.0006 U	mg/L
G206	Compliance	E003	11/15/2023	Lithium, total	0.0028 J	mg/L
G206	Compliance	E003	11/15/2023	Mercury, total	0.00013 U	mg/L
G206	Compliance	E003	11/15/2023	Molybdenum, total	0.0006 U	mg/L
G206	Compliance	E003	11/15/2023	Oxidation Reduction Potential	-256	mV
G206	Compliance	E003	11/15/2023	pH (field)	7.5	SU
G206	Compliance	E003	11/15/2023	Radium 226 + Radium 228, total	0.455	pCi/L
G206	Compliance	E003	11/15/2023	Selenium, total	0.0006 U	mg/L
G206	Compliance	E003	11/15/2023	Specific Conductance @ 25C (field)	801	micromhos/cm
G206	Compliance	E003	11/15/2023	Sulfate, total	132	mg/L
G206	Compliance	E003	11/15/2023	Temperature	17.6	degrees C
G206	Compliance	E003	11/15/2023	Thallium, total	0.001 U	mg/L
G206	Compliance	E003	11/15/2023	Total Dissolved Solids	485	mg/L
G206	Compliance	E003	11/15/2023	Turbidity, field	5.70	NTU
G206D	Compliance	E003	11/17/2023	Antimony, total	0.0004 U	mg/L
G206D	Compliance	E003	11/17/2023	Arsenic, total	0.0168	mg/L
G206D	Compliance	E003	11/17/2023	Barium, total	0.183	mg/L
G206D	Compliance	E003	11/17/2023	Beryllium, total	0.0002 U	mg/L
G206D	Compliance	E003	11/17/2023	Boron, total	0.123	mg/L
G206D	Compliance	E003	11/17/2023	Cadmium, total	0.0002 U	mg/L
G206D	Compliance	E003	11/17/2023	Calcium, total	80.3	mg/L
G206D	Compliance	E003	11/17/2023	Chloride, total	22.0	mg/L
G206D	Compliance	E003	11/17/2023	Chromium, total	0.0007 U	mg/L
G206D	Compliance	E003	11/17/2023	Cobalt, total	0.0002 J	mg/L
G206D	Compliance	E003	11/17/2023	Dissolved Oxygen	1.85	mg/L
G206D	Compliance	E003	11/17/2023	Fluoride, total	1.09	mg/L
G206D	Compliance	E003	11/17/2023	Lead, total	0.0006 U	mg/L
G206D	Compliance	E003	11/17/2023	Lithium, total	0.0025 J	mg/L

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COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G206D	Compliance	E003	11/17/2023	Mercury, total	0.00009 U	mg/L
G206D	Compliance	E003	11/17/2023	Molybdenum, total	0.0100	mg/L
G206D	Compliance	E003	11/17/2023	Oxidation Reduction Potential	-54.0	mV
G206D	Compliance	E003	11/17/2023	pH (field)	7.1	SU
G206D	Compliance	E003	11/17/2023	Radium 226 + Radium 228, total	1.19	pCi/L
G206D	Compliance	E003	11/17/2023	Selenium, total	0.0006 U	mg/L
G206D	Compliance	E003	11/17/2023	Specific Conductance @ 25C (field)	996	micromhos/cm
G206D	Compliance	E003	11/17/2023	Sulfate, total	153	mg/L
G206D	Compliance	E003	11/17/2023	Temperature	15.0	degrees C
G206D	Compliance	E003	11/17/2023	Thallium, total	0.001 U	mg/L
G206D	Compliance	E003	11/17/2023	Total Dissolved Solids	755	mg/L
G206D	Compliance	E003	11/17/2023	Turbidity, field	8.10	NTU
G209	Compliance	E003	11/16/2023	Antimony, total	0.0004 U	mg/L
G209	Compliance	E003	11/16/2023	Arsenic, total	0.00170	mg/L
G209	Compliance	E003	11/16/2023	Barium, total	0.0599	mg/L
G209	Compliance	E003	11/16/2023	Beryllium, total	0.0002 U	mg/L
G209	Compliance	E003	11/16/2023	Boron, total	0.014 J	mg/L
G209	Compliance	E003	11/16/2023	Cadmium, total	0.0002 U	mg/L
G209	Compliance	E003	11/16/2023	Calcium, total	143	mg/L
G209	Compliance	E003	11/16/2023	Chloride, total	52.0	mg/L
G209	Compliance	E003	11/16/2023	Chromium, total	0.0007 U	mg/L
G209	Compliance	E003	11/16/2023	Cobalt, total	0.0003 J	mg/L
G209	Compliance	E003	11/16/2023	Dissolved Oxygen	1.52	mg/L
G209	Compliance	E003	11/16/2023	Fluoride, total	0.520	mg/L
G209	Compliance	E003	11/16/2023	Lead, total	0.0006 U	mg/L
G209	Compliance	E003	11/16/2023	Lithium, total	0.00580	mg/L
G209	Compliance	E003	11/16/2023	Mercury, total	0.00006 U	mg/L
G209	Compliance	E003	11/16/2023	Molybdenum, total	0.00230	mg/L
G209	Compliance	E003	11/16/2023	Oxidation Reduction Potential	-23.0	mV
G209	Compliance	E003	11/16/2023	pH (field)	7.0	SU
G209	Compliance	E003	11/16/2023	Radium 226 + Radium 228, total	0.502	pCi/L
G209	Compliance	E003	11/16/2023	Selenium, total	0.0006 U	mg/L
G209	Compliance	E003	11/16/2023	Specific Conductance @ 25C (field)	1,210	micromhos/cm
G209	Compliance	E003	11/16/2023	Sulfate, total	255	mg/L
G209	Compliance	E003	11/16/2023	Temperature	16.3	degrees C
G209	Compliance	E003	11/16/2023	Thallium, total	0.001 U	mg/L
G209	Compliance	E003	11/16/2023	Total Dissolved Solids	826	mg/L
G209	Compliance	E003	11/16/2023	Turbidity, field	4.70	NTU
G212	Compliance	E003	11/16/2023	Antimony, total	0.0004 U	mg/L
G212	Compliance	E003	11/16/2023	Arsenic, total	0.0004 U	mg/L
G212	Compliance	E003	11/16/2023	Barium, total	0.0630	mg/L
G212	Compliance	E003	11/16/2023	Beryllium, total	0.0002 U	mg/L
G212	Compliance	E003	11/16/2023	Boron, total	0.0125 U	mg/L
G212	Compliance	E003	11/16/2023	Cadmium, total	0.0002 U	mg/L
G212	Compliance	E003	11/16/2023	Calcium, total	54.6	mg/L
G212	Compliance	E003	11/16/2023	Chloride, total	47.0	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G212	Compliance	E003	11/16/2023	Chromium, total	0.0007 U	mg/L
G212	Compliance	E003	11/16/2023	Cobalt, total	0.0001 U	mg/L
G212	Compliance	E003	11/16/2023	Dissolved Oxygen	2.36	mg/L
G212	Compliance	E003	11/16/2023	Fluoride, total	0.340	mg/L
G212	Compliance	E003	11/16/2023	Lead, total	0.0006 U	mg/L
G212	Compliance	E003	11/16/2023	Lithium, total	0.0017 J	mg/L
G212	Compliance	E003	11/16/2023	Mercury, total	0.00006 U	mg/L
G212	Compliance	E003	11/16/2023	Molybdenum, total	0.0006 U	mg/L
G212	Compliance	E003	11/16/2023	Oxidation Reduction Potential	102	mV
G212	Compliance	E003	11/16/2023	pH (field)	7.2	SU
G212	Compliance	E003	11/16/2023	Radium 226 + Radium 228, total	1.41	pCi/L
G212	Compliance	E003	11/16/2023	Selenium, total	0.0006 U	mg/L
G212	Compliance	E003	11/16/2023	Specific Conductance @ 25C (field)	680	micromhos/cm
G212	Compliance	E003	11/16/2023	Sulfate, total	63.0	mg/L
G212	Compliance	E003	11/16/2023	Temperature	16.8	degrees C
G212	Compliance	E003	11/16/2023	Thallium, total	0.001 U	mg/L
G212	Compliance	E003	11/16/2023	Total Dissolved Solids	434	mg/L
G212	Compliance	E003	11/16/2023	Turbidity, field	6.70	NTU
G213	Compliance	E003	11/16/2023	Antimony, total	0.0004 U	mg/L
G213	Compliance	E003	11/16/2023	Arsenic, total	0.0004 U	mg/L
G213	Compliance	E003	11/16/2023	Barium, total	0.0469	mg/L
G213	Compliance	E003	11/16/2023	Beryllium, total	0.0002 U	mg/L
G213	Compliance	E003	11/16/2023	Boron, total	0.0125 U	mg/L
G213	Compliance	E003	11/16/2023	Cadmium, total	0.0002 U	mg/L
G213	Compliance	E003	11/16/2023	Calcium, total	64.7	mg/L
G213	Compliance	E003	11/16/2023	Chloride, total	52.0	mg/L
G213	Compliance	E003	11/16/2023	Chromium, total	0.0007 U	mg/L
G213	Compliance	E003	11/16/2023	Cobalt, total	0.0001 J	mg/L
G213	Compliance	E003	11/16/2023	Dissolved Oxygen	0.840	mg/L
G213	Compliance	E003	11/16/2023	Fluoride, total	0.360	mg/L
G213	Compliance	E003	11/16/2023	Lead, total	0.0006 U	mg/L
G213	Compliance	E003	11/16/2023	Lithium, total	0.00330	mg/L
G213	Compliance	E003	11/16/2023	Mercury, total	0.00006 U	mg/L
G213	Compliance	E003	11/16/2023	Molybdenum, total	0.0009 J	mg/L
G213	Compliance	E003	11/16/2023	Oxidation Reduction Potential	84.0	mV
G213	Compliance	E003	11/16/2023	pH (field)	7.1	SU
G213	Compliance	E003	11/16/2023	Radium 226 + Radium 228, total	0.582	pCi/L
G213	Compliance	E003	11/16/2023	Selenium, total	0.0006 U	mg/L
G213	Compliance	E003	11/16/2023	Specific Conductance @ 25C (field)	662	micromhos/cm
G213	Compliance	E003	11/16/2023	Sulfate, total	79.0	mg/L
G213	Compliance	E003	11/16/2023	Temperature	16.5	degrees C
G213	Compliance	E003	11/16/2023	Thallium, total	0.001 U	mg/L
G213	Compliance	E003	11/16/2023	Total Dissolved Solids	420	mg/L
G213	Compliance	E003	11/16/2023	Turbidity, field	6.20	NTU
G215	Compliance	E003	11/16/2023	Antimony, total	0.0004 U	mg/L
G215	Compliance	E003	11/16/2023	Arsenic, total	0.0112	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G215	Compliance	E003	11/16/2023	Barium, total	0.0585	mg/L
G215	Compliance	E003	11/16/2023	Beryllium, total	0.0002 U	mg/L
G215	Compliance	E003	11/16/2023	Boron, total	0.727	mg/L
G215	Compliance	E003	11/16/2023	Cadmium, total	0.0002 U	mg/L
G215	Compliance	E003	11/16/2023	Calcium, total	180	mg/L
G215	Compliance	E003	11/16/2023	Chloride, total	138	mg/L
G215	Compliance	E003	11/16/2023	Chromium, total	0.0007 U	mg/L
G215	Compliance	E003	11/16/2023	Cobalt, total	0.00120	mg/L
G215	Compliance	E003	11/16/2023	Dissolved Oxygen	1.53	mg/L
G215	Compliance	E003	11/16/2023	Fluoride, total	0.340	mg/L
G215	Compliance	E003	11/16/2023	Lead, total	0.0006 U	mg/L
G215	Compliance	E003	11/16/2023	Lithium, total	0.00910	mg/L
G215	Compliance	E003	11/16/2023	Mercury, total	0.00006 U	mg/L
G215	Compliance	E003	11/16/2023	Molybdenum, total	0.0102	mg/L
G215	Compliance	E003	11/16/2023	Oxidation Reduction Potential	-12.0	mV
G215	Compliance	E003	11/16/2023	pH (field)	6.9	SU
G215	Compliance	E003	11/16/2023	Radium 226 + Radium 228, total	0.543	pCi/L
G215	Compliance	E003	11/16/2023	Selenium, total	0.0006 U	mg/L
G215	Compliance	E003	11/16/2023	Specific Conductance @ 25C (field)	1,770	micromhos/cm
G215	Compliance	E003	11/16/2023	Sulfate, total	512	mg/L
G215	Compliance	E003	11/16/2023	Temperature	17.3	degrees C
G215	Compliance	E003	11/16/2023	Thallium, total	0.001 U	mg/L
G215	Compliance	E003	11/16/2023	Total Dissolved Solids	1,250	mg/L
G215	Compliance	E003	11/16/2023	Turbidity, field	27.0	NTU
G217	Compliance	E003	11/16/2023	Antimony, total	0.0004 U	mg/L
G217	Compliance	E003	11/16/2023	Arsenic, total	0.0005 J	mg/L
G217	Compliance	E003	11/16/2023	Barium, total	0.127	mg/L
G217	Compliance	E003	11/16/2023	Beryllium, total	0.0002 U	mg/L
G217	Compliance	E003	11/16/2023	Boron, total	0.015 J	mg/L
G217	Compliance	E003	11/16/2023	Cadmium, total	0.0002 U	mg/L
G217	Compliance	E003	11/16/2023	Calcium, total	177	mg/L
G217	Compliance	E003	11/16/2023	Chloride, total	123	mg/L
G217	Compliance	E003	11/16/2023	Chromium, total	0.0007 U	mg/L
G217	Compliance	E003	11/16/2023	Cobalt, total	0.0005 J	mg/L
G217	Compliance	E003	11/16/2023	Dissolved Oxygen	0.750	mg/L
G217	Compliance	E003	11/16/2023	Fluoride, total	0.420	mg/L
G217	Compliance	E003	11/16/2023	Lead, total	0.0006 U	mg/L
G217	Compliance	E003	11/16/2023	Lithium, total	0.00350	mg/L
G217	Compliance	E003	11/16/2023	Mercury, total	0.00009 U	mg/L
G217	Compliance	E003	11/16/2023	Molybdenum, total	0.0006 U	mg/L
G217	Compliance	E003	11/16/2023	Oxidation Reduction Potential	16.0	mV
G217	Compliance	E003	11/16/2023	pH (field)	6.9	SU
G217	Compliance	E003	11/16/2023	Radium 226 + Radium 228, total	0.401	pCi/L
G217	Compliance	E003	11/16/2023	Selenium, total	0.0006 U	mg/L
G217	Compliance	E003	11/16/2023	Specific Conductance @ 25C (field)	1,480	micromhos/cm
G217	Compliance	E003	11/16/2023	Sulfate, total	427	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G217	Compliance	E003	11/16/2023	Temperature	16.1	degrees C
G217	Compliance	E003	11/16/2023	Thallium, total	0.001 U	mg/L
G217	Compliance	E003	11/16/2023	Total Dissolved Solids	1,100	mg/L
G217	Compliance	E003	11/16/2023	Turbidity, field	11.0	NTU
G218	Compliance	E003	11/16/2023	Antimony, total	0.0004 U	mg/L
G218	Compliance	E003	11/16/2023	Arsenic, total	0.00310	mg/L
G218	Compliance	E003	11/16/2023	Barium, total	0.0931	mg/L
G218	Compliance	E003	11/16/2023	Beryllium, total	0.0002 U	mg/L
G218	Compliance	E003	11/16/2023	Boron, total	0.0237	mg/L
G218	Compliance	E003	11/16/2023	Cadmium, total	0.0002 U	mg/L
G218	Compliance	E003	11/16/2023	Calcium, total	181	mg/L
G218	Compliance	E003	11/16/2023	Chloride, total	125	mg/L
G218	Compliance	E003	11/16/2023	Chromium, total	0.00220 J+	mg/L
G218	Compliance	E003	11/16/2023	Cobalt, total	0.00130	mg/L
G218	Compliance	E003	11/16/2023	Dissolved Oxygen	0.630	mg/L
G218	Compliance	E003	11/16/2023	Fluoride, total	0.350	mg/L
G218	Compliance	E003	11/16/2023	Lead, total	0.0009 J	mg/L
G218	Compliance	E003	11/16/2023	Lithium, total	0.00470	mg/L
G218	Compliance	E003	11/16/2023	Mercury, total	0.00009 U	mg/L
G218	Compliance	E003	11/16/2023	Molybdenum, total	0.0006 U	mg/L
G218	Compliance	E003	11/16/2023	Oxidation Reduction Potential	-5.00	mV
G218	Compliance	E003	11/16/2023	pH (field)	6.8	SU
G218	Compliance	E003	11/16/2023	Radium 226 + Radium 228, total	0.866	pCi/L
G218	Compliance	E003	11/16/2023	Selenium, total	0.0006 U	mg/L
G218	Compliance	E003	11/16/2023	Specific Conductance @ 25C (field)	1,530	micromhos/cm
G218	Compliance	E003	11/16/2023	Sulfate, total	433	mg/L
G218	Compliance	E003	11/16/2023	Temperature	15.8	degrees C
G218	Compliance	E003	11/16/2023	Thallium, total	0.001 U	mg/L
G218	Compliance	E003	11/16/2023	Total Dissolved Solids	1,140	mg/L
G218	Compliance	E003	11/16/2023	Turbidity, field	20.0	NTU

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G206	UA	E003	Antimony, total	mg/L	11/18/15 - 11/15/23	21	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G206	UA	E003	Arsenic, total	mg/L	11/18/15 - 11/15/23	21	68	CI around median	0.001	0.0110	Background	No Exceedance
G206	UA	E003	Barium, total	mg/L	11/18/15 - 11/15/23	21	3	CI around mean	0.0474	2.0	Standard	No Exceedance
G206	UA	E003	Beryllium, total	mg/L	11/18/15 - 11/15/23	21	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G206	UA	E003	Boron, total	mg/L	11/18/15 - 11/15/23	28	78	CI around median	0.01	2	Standard	No Exceedance
G206	UA	E003	Cadmium, total	mg/L	11/18/15 - 11/15/23	21	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G206	UA	E003	Chloride, total	mg/L	11/18/15 - 11/15/23	28	0	CB around linear reg	18.6	200	Standard	No Exceedance
G206	UA	E003	Chromium, total	mg/L	11/18/15 - 11/15/23	21	85	CB around T-S line	0.00381	0.1	Standard	No Exceedance
G206	UA	E003	Cobalt, total	mg/L	11/18/15 - 11/15/23	21	97	CI around median	0.002	0.006	Standard	No Exceedance
G206	UA	E003	Fluoride, total	mg/L	11/18/15 - 11/15/23	29	5	CI around mean	0.384	4.0	Standard	No Exceedance
G206	UA	E003	Lead, total	mg/L	11/18/15 - 11/15/23	21	93	CI around median	0.001	0.0075	Standard	No Exceedance
G206	UA	E003	Lithium, total	mg/L	11/18/15 - 11/15/23	14	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G206	UA	E003	Mercury, total	mg/L	11/18/15 - 11/15/23	21	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G206	UA	E003	Molybdenum, total	mg/L	11/18/15 - 11/15/23	21	65	CI around median	0.001	0.1	Standard	No Exceedance
G206	UA	E003	pH (field)	SU	11/18/15 - 11/15/23	30	0	CI around median	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G206	UA	E003	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 11/15/23	14	0	CI around mean	0.432	5	Standard	No Exceedance
G206	UA	E003	Selenium, total	mg/L	11/18/15 - 11/15/23	21	82	CI around median	0.001	0.05	Standard	No Exceedance
G206	UA	E003	Sulfate, total	mg/L	11/18/15 - 11/15/23	28	0	CI around mean	122	400	Standard	No Exceedance
G206	UA	E003	Thallium, total	mg/L	11/18/15 - 11/15/23	21	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G206	UA	E003	Total Dissolved Solids	mg/L	11/18/15 - 11/15/23	28	0	CB around T-S line	469	1,200	Standard	No Exceedance
G206D	DA	E003	Antimony, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G206D	DA	E003	Arsenic, total	mg/L	03/30/21 - 11/17/23	9	0	CI around mean	0.00289	0.0110	Background	No Exceedance
G206D	DA	E003	Barium, total	mg/L	03/30/21 - 11/17/23	9	0	CI around mean	0.0957	2.0	Standard	No Exceedance
G206D	DA	E003	Beryllium, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G206D	DA	E003	Boron, total	mg/L	03/30/21 - 11/17/23	9	0	CI around mean	0.113	2	Standard	No Exceedance
G206D	DA	E003	Cadmium, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G206D	DA	E003	Chloride, total	mg/L	03/30/21 - 11/17/23	9	0	CB around linear reg	3.76	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G206D	DA	E003	Chromium, total	mg/L	03/30/21 - 11/17/23	9	89	CB around T-S line	-0.00466	0.1	Standard	No Exceedance
G206D	DA	E003	Cobalt, total	mg/L	03/30/21 - 11/17/23	9	89	CB around T-S line	-0.000166	0.006	Standard	No Exceedance
G206D	DA	E003	Fluoride, total	mg/L	03/30/21 - 11/17/23	9	0	CB around linear reg	0.693	4.0	Standard	No Exceedance
G206D	DA	E003	Lead, total	mg/L	03/30/21 - 11/17/23	9	78	CI around median	0.001	0.0075	Standard	No Exceedance
G206D	DA	E003	Lithium, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G206D	DA	E003	Mercury, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G206D	DA	E003	Molybdenum, total	mg/L	03/30/21 - 11/17/23	9	0	CB around linear reg	0.00885	0.1	Standard	No Exceedance
G206D	DA	E003	pH (field)	SU	03/30/21 - 11/17/23	9	0	CI around mean	7.0/7.4	6.5/9.0	Standard/Standard	No Exceedance
G206D	DA	E003	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 11/17/23	10	0	CI around mean	0.221	5	Standard	No Exceedance
G206D	DA	E003	Selenium, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G206D	DA	E003	Sulfate, total	mg/L	03/30/21 - 11/17/23	9	0	CB around linear reg	-114	400	Standard	No Exceedance
G206D	DA	E003	Thallium, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G206D	DA	E003	Total Dissolved Solids	mg/L	03/30/21 - 11/17/23	9	0	CI around mean	715	1,200	Standard	No Exceedance
G209	UA	E003	Antimony, total	mg/L	11/18/15 - 11/16/23	21	97	CI around median	0.003	0.006	Standard	No Exceedance
G209	UA	E003	Arsenic, total	mg/L	11/18/15 - 11/16/23	21	43	CI around geomean	0.00113	0.0110	Background	No Exceedance
G209	UA	E003	Barium, total	mg/L	11/18/15 - 11/16/23	21	0	CI around mean	0.0568	2.0	Standard	No Exceedance
G209	UA	E003	Beryllium, total	mg/L	11/18/15 - 11/16/23	21	97	Most recent sample	0.001	0.004	Standard	No Exceedance
G209	UA	E003	Boron, total	mg/L	11/18/15 - 11/16/23	28	59	CI around median	0.01	2	Standard	No Exceedance
G209	UA	E003	Cadmium, total	mg/L	11/18/15 - 11/16/23	21	98	Most recent sample	0.001	0.005	Standard	No Exceedance
G209	UA	E003	Chloride, total	mg/L	11/18/15 - 11/16/23	28	0	CI around geomean	60.6	200	Standard	No Exceedance
G209	UA	E003	Chromium, total	mg/L	11/18/15 - 11/16/23	21	70	CI around median	0.004	0.1	Standard	No Exceedance
G209	UA	E003	Cobalt, total	mg/L	11/18/15 - 11/16/23	21	88	CI around median	0.002	0.006	Standard	No Exceedance
G209	UA	E003	Fluoride, total	mg/L	11/18/15 - 11/16/23	29	2	CI around mean	0.404	4.0	Standard	No Exceedance
G209	UA	E003	Lead, total	mg/L	11/18/15 - 11/16/23	21	86	CI around median	0.001	0.0075	Standard	No Exceedance
G209	UA	E003	Lithium, total	mg/L	11/18/15 - 11/16/23	14	86	CI around median	0.01	0.04	Standard	No Exceedance
G209	UA	E003	Mercury, total	mg/L	11/18/15 - 11/16/23	21	97	Most recent sample	0.0002	0.002	Standard	No Exceedance
G209	UA	E003	Molybdenum, total	mg/L	11/18/15 - 11/16/23	21	9	CI around mean	0.00157	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G209	UA	E003	pH (field)	SU	11/18/15 - 11/16/23	32	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G209	UA	E003	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 11/16/23	14	0	CI around mean	0.483	5	Standard	No Exceedance
G209	UA	E003	Selenium, total	mg/L	11/18/15 - 11/16/23	21	61	CI around median	0.001	0.05	Standard	No Exceedance
G209	UA	E003	Sulfate, total	mg/L	11/18/15 - 11/16/23	28	0	CB around T-S line	214	400	Standard	No Exceedance
G209	UA	E003	Thallium, total	mg/L	11/18/15 - 11/16/23	21	94	CI around median	0.001	0.002	Standard	No Exceedance
G209	UA	E003	Total Dissolved Solids	mg/L	11/18/15 - 11/16/23	28	0	CB around linear reg	808	1,200	Standard	No Exceedance
G212	UA	E003	Antimony, total	mg/L	11/18/15 - 11/16/23	21	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G212	UA	E003	Arsenic, total	mg/L	11/18/15 - 11/16/23	21	84	CI around median	0.001	0.0110	Background	No Exceedance
G212	UA	E003	Barium, total	mg/L	11/18/15 - 11/16/23	21	0	CI around mean	0.0485	2.0	Standard	No Exceedance
G212	UA	E003	Beryllium, total	mg/L	11/18/15 - 11/16/23	21	97	CI around median	0.001	0.004	Standard	No Exceedance
G212	UA	E003	Boron, total	mg/L	11/18/15 - 11/16/23	28	82	CI around median	0.01	2	Standard	No Exceedance
G212	UA	E003	Cadmium, total	mg/L	11/18/15 - 11/16/23	21	98	CI around median	0.001	0.005	Standard	No Exceedance
G212	UA	E003	Chloride, total	mg/L	11/18/15 - 11/16/23	28	0	CB around linear reg	43.1	200	Standard	No Exceedance
G212	UA	E003	Chromium, total	mg/L	11/18/15 - 11/16/23	21	85	CI around median	0.004	0.1	Standard	No Exceedance
G212	UA	E003	Cobalt, total	mg/L	11/18/15 - 11/16/23	21	97	CI around median	0.002	0.006	Standard	No Exceedance
G212	UA	E003	Fluoride, total	mg/L	11/18/15 - 11/16/23	28	12	CI around median	0.289	4.0	Standard	No Exceedance
G212	UA	E003	Lead, total	mg/L	11/18/15 - 11/16/23	21	84	CI around median	0.001	0.0075	Standard	No Exceedance
G212	UA	E003	Lithium, total	mg/L	11/18/15 - 11/16/23	14	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G212	UA	E003	Mercury, total	mg/L	11/18/15 - 11/16/23	21	97	CI around median	0.0002	0.002	Standard	No Exceedance
G212	UA	E003	Molybdenum, total	mg/L	11/18/15 - 11/16/23	21	70	CI around median	0.001	0.1	Standard	No Exceedance
G212	UA	E003	pH (field)	SU	11/18/15 - 11/16/23	29	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
G212	UA	E003	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 11/16/23	14	0	CI around mean	0.383	5	Standard	No Exceedance
G212	UA	E003	Selenium, total	mg/L	11/18/15 - 11/16/23	21	15	CB around T-S line	0.000279	0.05	Standard	No Exceedance
G212	UA	E003	Sulfate, total	mg/L	11/18/15 - 11/16/23	28	0	CI around mean	53.2	400	Standard	No Exceedance
G212	UA	E003	Thallium, total	mg/L	11/18/15 - 11/16/23	21	97	CI around median	0.001	0.002	Standard	No Exceedance
G212	UA	E003	Total Dissolved Solids	mg/L	11/18/15 - 11/16/23	28	0	CI around mean	382	1,200	Standard	No Exceedance
G213	UA	E003	Antimony, total	mg/L	10/13/20 - 11/16/23	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G213	UA	E003	Arsenic, total	mg/L	10/13/20 - 11/16/23	13	69	CI around median	0.001	0.0110	Background	No Exceedance
G213	UA	E003	Barium, total	mg/L	10/13/20 - 11/16/23	13	0	CI around mean	0.0454	2.0	Standard	No Exceedance
G213	UA	E003	Beryllium, total	mg/L	10/13/20 - 11/16/23	13	92	Most recent sample	0.001	0.004	Standard	No Exceedance
G213	UA	E003	Boron, total	mg/L	10/13/20 - 11/16/23	13	89	CI around median	0.01	2	Standard	No Exceedance
G213	UA	E003	Cadmium, total	mg/L	10/13/20 - 11/16/23	13	97	Most recent sample	0.001	0.005	Standard	No Exceedance
G213	UA	E003	Chloride, total	mg/L	10/13/20 - 11/16/23	13	0	CI around mean	41.5	200	Standard	No Exceedance
G213	UA	E003	Chromium, total	mg/L	10/13/20 - 11/16/23	13	64	CB around T-S line	0.00215	0.1	Standard	No Exceedance
G213	UA	E003	Cobalt, total	mg/L	10/13/20 - 11/16/23	13	84	CI around median	0.002	0.006	Standard	No Exceedance
G213	UA	E003	Fluoride, total	mg/L	10/13/20 - 11/16/23	13	8	CI around mean	0.251	4.0	Standard	No Exceedance
G213	UA	E003	Lead, total	mg/L	10/13/20 - 11/16/23	13	72	CI around median	0.001	0.0075	Standard	No Exceedance
G213	UA	E003	Lithium, total	mg/L	02/15/23 - 11/16/23	4	50	CI around mean	0.00324	0.04	Standard	No Exceedance
G213	UA	E003	Mercury, total	mg/L	10/13/20 - 11/16/23	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G213	UA	E003	Molybdenum, total	mg/L	10/13/20 - 11/16/23	13	87	CI around median	0.001	0.1	Standard	No Exceedance
G213	UA	E003	pH (field)	SU	10/13/20 - 11/16/23	13	0	CI around mean	7.0/7.3	6.5/9.0	Standard/Standard	No Exceedance
G213	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 11/16/23	4	0	CI around mean	-0.878	5	Standard	No Exceedance
G213	UA	E003	Selenium, total	mg/L	10/13/20 - 11/16/23	13	24	CI around median	0.001	0.05	Standard	No Exceedance
G213	UA	E003	Sulfate, total	mg/L	10/13/20 - 11/16/23	13	0	CI around median	55	400	Standard	No Exceedance
G213	UA	E003	Thallium, total	mg/L	10/13/20 - 11/16/23	13	96	CI around median	0.001	0.002	Standard	No Exceedance
G213	UA	E003	Total Dissolved Solids	mg/L	10/13/20 - 11/16/23	13	0	CI around mean	370	1,200	Standard	No Exceedance
G215	UA	E003	Antimony, total	mg/L	11/24/15 - 11/16/23	21	97	CB around T-S line	0.00234	0.006	Standard	No Exceedance
G215	UA	E003	Arsenic, total	mg/L	11/24/15 - 11/16/23	21	20	CI around geomean	0.00467	0.0110	Background	No Exceedance
G215	UA	E003	Barium, total	mg/L	11/24/15 - 11/16/23	21	0	CB around linear reg	0.00775	2.0	Standard	No Exceedance
G215	UA	E003	Beryllium, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G215	UA	E003	Boron, total	mg/L	11/24/15 - 11/16/23	29	25	CB around linear reg	0.592	2	Standard	No Exceedance
G215	UA	E003	Cadmium, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G215	UA	E003	Chloride, total	mg/L	11/24/15 - 11/16/23	29	0	CB around T-S line	85	200	Standard	No Exceedance
G215	UA	E003	Chromium, total	mg/L	11/24/15 - 11/16/23	21	91	CI around median	0.004	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G215	UA	E003	Cobalt, total	mg/L	11/24/15 - 11/16/23	21	91	CB around T-S line	0.00165	0.006	Standard	No Exceedance
G215	UA	E003	Fluoride, total	mg/L	11/24/15 - 11/16/23	29	15	CB around linear reg	0.144	4.0	Standard	No Exceedance
G215	UA	E003	Lead, total	mg/L	11/24/15 - 11/16/23	21	84	CI around median	0.001	0.0075	Standard	No Exceedance
G215	UA	E003	Lithium, total	mg/L	11/24/15 - 11/16/23	14	86	CI around median	0.01	0.04	Standard	No Exceedance
G215	UA	E003	Mercury, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G215	UA	E003	Molybdenum, total	mg/L	11/24/15 - 11/16/23	21	87	CI around median	0.001	0.1	Standard	No Exceedance
G215	UA	E003	pH (field)	SU	11/24/15 - 11/16/23	31	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
G215	UA	E003	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 11/16/23	14	0	CI around mean	0.446	5	Standard	No Exceedance
G215	UA	E003	Selenium, total	mg/L	11/24/15 - 11/16/23	21	91	CI around median	0.001	0.05	Standard	No Exceedance
G215	UA	E003	Sulfate, total	mg/L	11/24/15 - 11/16/23	29	0	CB around linear reg	488	400	Standard	Exceedance
G215	UA	E003	Thallium, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G215	UA	E003	Total Dissolved Solids	mg/L	11/24/15 - 11/16/23	29	0	CB around linear reg	1,190	1,200	Standard	No Exceedance
G217	UA	E003	Antimony, total	mg/L	10/14/20 - 11/16/23	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G217	UA	E003	Arsenic, total	mg/L	10/14/20 - 11/16/23	13	83	CI around median	0.001	0.0110	Background	No Exceedance
G217	UA	E003	Barium, total	mg/L	10/14/20 - 11/16/23	13	0	CI around mean	0.0945	2.0	Standard	No Exceedance
G217	UA	E003	Beryllium, total	mg/L	10/14/20 - 11/16/23	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G217	UA	E003	Boron, total	mg/L	10/14/20 - 11/16/23	13	75	CI around median	0.01	2	Standard	No Exceedance
G217	UA	E003	Cadmium, total	mg/L	10/14/20 - 11/16/23	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G217	UA	E003	Chloride, total	mg/L	10/14/20 - 11/16/23	13	0	CB around linear reg	104	200	Standard	No Exceedance
G217	UA	E003	Chromium, total	mg/L	10/14/20 - 11/16/23	13	71	CI around median	0.004	0.1	Standard	No Exceedance
G217	UA	E003	Cobalt, total	mg/L	10/14/20 - 11/16/23	13	88	CI around median	0.002	0.006	Standard	No Exceedance
G217	UA	E003	Fluoride, total	mg/L	10/14/20 - 11/16/23	13	12	CI around median	0.296	4.0	Standard	No Exceedance
G217	UA	E003	Lead, total	mg/L	10/14/20 - 11/16/23	13	89	CI around median	0.001	0.0075	Standard	No Exceedance
G217	UA	E003	Lithium, total	mg/L	02/15/23 - 11/16/23	4	50	CI around mean	0.00344	0.04	Standard	No Exceedance
G217	UA	E003	Mercury, total	mg/L	10/14/20 - 11/16/23	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G217	UA	E003	Molybdenum, total	mg/L	10/14/20 - 11/16/23	13	87	CI around median	0.001	0.1	Standard	No Exceedance
G217	UA	E003	pH (field)	SU	10/14/20 - 11/16/23	13	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G217	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 11/16/23	4	0	CI around mean	0.174	5	Standard	No Exceedance
G217	UA	E003	Selenium, total	mg/L	10/14/20 - 11/16/23	13	75	Most recent sample	0.001	0.05	Standard	No Exceedance
G217	UA	E003	Sulfate, total	mg/L	10/14/20 - 11/16/23	13	0	CB around linear reg	368	400	Standard	No Exceedance
G217	UA	E003	Thallium, total	mg/L	10/14/20 - 11/16/23	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G217	UA	E003	Total Dissolved Solids	mg/L	10/14/20 - 11/16/23	13	0	CB around linear reg	1,020	1,200	Standard	No Exceedance
G218	UA	E003	Antimony, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G218	UA	E003	Arsenic, total	mg/L	11/24/15 - 11/16/23	21	23	CI around geomean	0.00133	0.0110	Background	No Exceedance
G218	UA	E003	Barium, total	mg/L	11/24/15 - 11/16/23	21	0	CB around linear reg	0.0844	2.0	Standard	No Exceedance
G218	UA	E003	Beryllium, total	mg/L	11/24/15 - 11/16/23	21	97	CI around median	0.001	0.004	Standard	No Exceedance
G218	UA	E003	Boron, total	mg/L	11/24/15 - 11/16/23	28	76	CI around median	0.01	2	Standard	No Exceedance
G218	UA	E003	Cadmium, total	mg/L	11/24/15 - 11/16/23	21	98	CI around median	0.001	0.005	Standard	No Exceedance
G218	UA	E003	Chloride, total	mg/L	11/24/15 - 11/16/23	28	0	CI around median	83	200	Standard	No Exceedance
G218	UA	E003	Chromium, total	mg/L	11/24/15 - 11/16/23	21	79	CB around T-S line	0.00308	0.1	Standard	No Exceedance
G218	UA	E003	Cobalt, total	mg/L	11/24/15 - 11/16/23	21	88	CI around median	0.002	0.006	Standard	No Exceedance
G218	UA	E003	Fluoride, total	mg/L	11/24/15 - 11/16/23	29	12	CI around mean	0.287	4.0	Standard	No Exceedance
G218	UA	E003	Lead, total	mg/L	11/24/15 - 11/16/23	21	91	CI around median	0.001	0.0075	Standard	No Exceedance
G218	UA	E003	Lithium, total	mg/L	11/24/15 - 11/16/23	14	86	CI around median	0.01	0.04	Standard	No Exceedance
G218	UA	E003	Mercury, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G218	UA	E003	Molybdenum, total	mg/L	11/24/15 - 11/16/23	21	87	CI around median	0.001	0.1	Standard	No Exceedance
G218	UA	E003	pH (field)	SU	11/24/15 - 11/16/23	30	0	CI around mean	6.9/7.0	6.5/9.0	Standard/Standard	No Exceedance
G218	UA	E003	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 11/16/23	14	0	CI around mean	0.623	5	Standard	No Exceedance
G218	UA	E003	Selenium, total	mg/L	11/24/15 - 11/16/23	21	85	CI around median	0.001	0.05	Standard	No Exceedance
G218	UA	E003	Sulfate, total	mg/L	11/24/15 - 11/16/23	28	0	CB around linear reg	313	400	Standard	No Exceedance
G218	UA	E003	Thallium, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G218	UA	E003	Total Dissolved Solids	mg/L	11/24/15 - 11/16/23	29	0	CB around linear reg	889	1,200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Notes:
Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

DA = Deep Aquifer

UA = Uppermost Aquifer

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

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

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

CB around 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

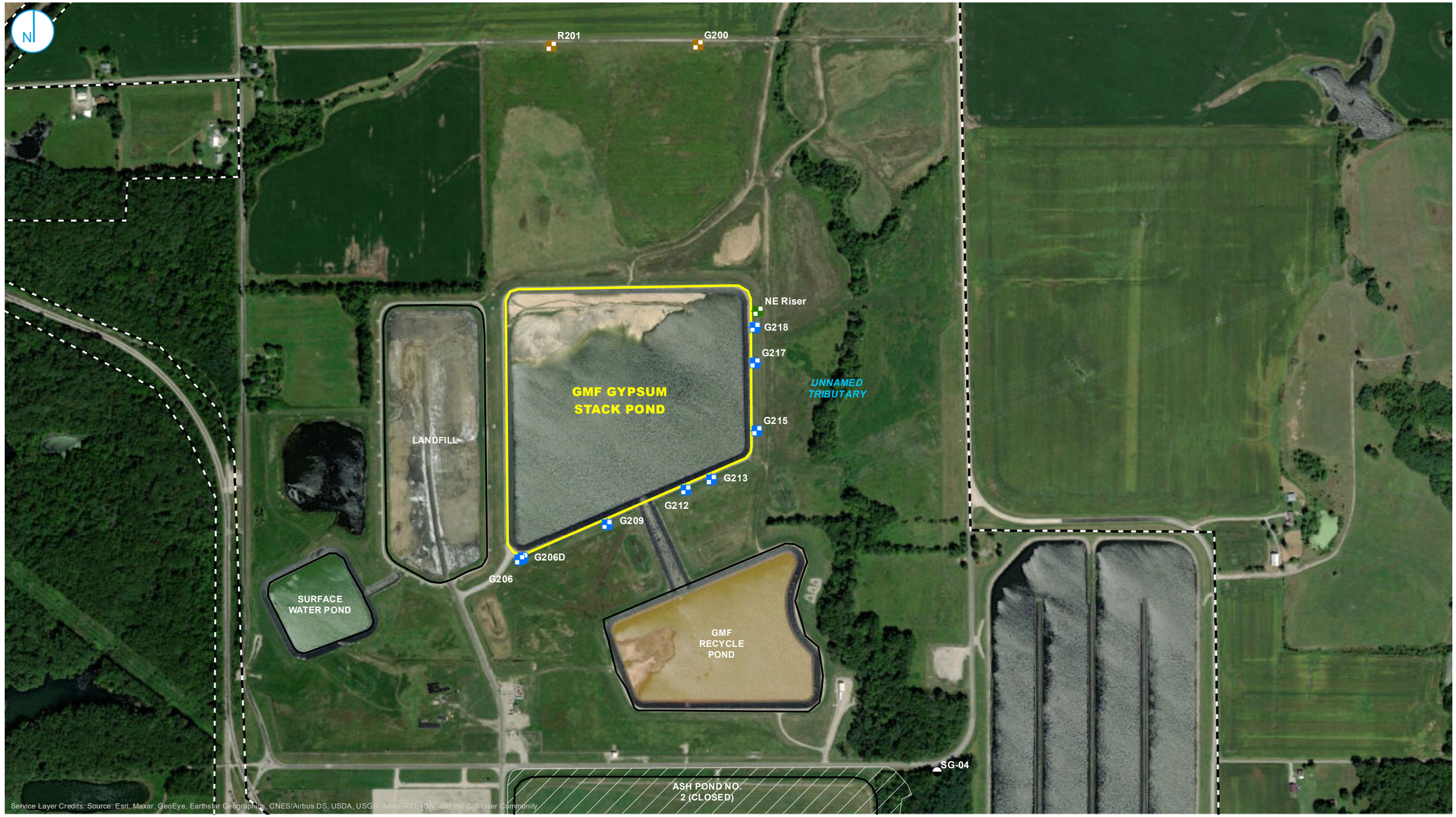
Most recent sample = Result for the most recently collected sample used due to insufficient data

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

0 250 500 Feet

MONITORING WELL LOCATION MAP

GMF GYPSUM STACK POND

COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\22\2285\MXD\845_Operating_Permit\Coffeen\GMF_GSP\GMP\Figure 2-1_Proposed Monitoring Well Network.mxd
PROJECT: 169000XXXX | DATED: 10/12/2021 | DESIGNER: HOTCALD

ATTACHMENTS

ATTACHMENT A
SUMMARY OF GROUNDWATER ELEVATION DATA
QUARTER 4, 2023

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G200	Background	11/13/2023	11.88	614.06
G206	Compliance	11/13/2023	16.16	616.66
G206D	Compliance	11/13/2023	30.40	603.74
G209	Compliance	11/13/2023	16.24	616.67
G212	Compliance	11/13/2023	16.92	615.97
G213	Compliance	11/13/2023	17.41	615.40
G215	Compliance	11/13/2023	19.03	614.03
G217	Compliance	11/13/2023	19.68	613.42
G218	Compliance	11/13/2023	18.67	614.44
R201	Background	11/13/2023	11.73	614.61
NE Riser	Water Level	11/13/2023	Not Measured	
SG-04	Water Level	11/13/2023	Not Measured	

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

ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 4, 2023

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

January 08, 2024

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-23Q4 **WorkOrder:** 23110002

Dear Eric Bauer:

TEKLAB, INC received 31 samples for COF_845_103 on 12/7/2023 12:55:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Abbr	Definition
*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Teklab, Inc.
Environmental Laboratory

Definitions

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: COF-23Q4

Work Order: 23110002
Report Date: 08-Jan-24

Cooler Receipt Temp: 6.0 °C

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

G124, G125, G275, G275D, G277, G284, G312 and G317 could not be collected; the wells were dry.

G154, G1003, and R104 collection dates/times will be reported per the field file rather than the chain of custody. EAH 11/27/23

G211 required resampling for Cl, SO4, F-, and TDS due to lab error. EAH 12/6/23

G124, G125, and G275D were resampled per Ramboll's request to re-attempt dry wells. Date/times of collection per field file. EAH 12/7/23

Per Eric Bauer's request, only COF_845_103 data is included in this report. EAH 1/8/24

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Accreditations

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24
Lab ID: 23110002-002
Client Sample ID: G102
Matrix: GROUNDWATER
Collection Date: 11/14/2023 15:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.84**	ft	1	11/14/2023 15:37	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-003 **Client Sample ID:** G103

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 15:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.00**	ft	1	11/14/2023 15:13	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-004 **Client Sample ID:** G105

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 14:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**13.46**	ft	1	11/14/2023 14:22	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-005 **Client Sample ID:** G106

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 13:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**14.21**	ft	1	11/14/2023 13:54	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-024 **Client Sample ID:** G200

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 10:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.88**	ft	1	11/14/2023 10:01	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**100**	NTU	1	11/14/2023 10:01	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**97**	mV	1	11/14/2023 10:01	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**793**	µS/cm	1	11/14/2023 10:01	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.0**	°C	1	11/14/2023 10:01	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.98**	mg/L	1	11/14/2023 10:01	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**7.16**		1	11/14/2023 10:01	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**281**	mg/L	1	11/20/2023 9:31	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 9:31	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**455**	mg/L	2.5	11/17/2023 9:53	R339458
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**106**	mg/L	10	11/17/2023 1:59	R339393
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.38**	mg/L	1	11/28/2023 8:54	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**43**	mg/L	1	11/17/2023 1:54	R339442
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**80.3**	mg/L	1	11/21/2023 17:31	214894
Magnesium	NELAP	0.006	0.050		**38.6**	mg/L	1	11/21/2023 17:31	214894
Potassium	NELAP	0.040	0.100		**0.969**	mg/L	1	11/21/2023 17:31	214894
Sodium	NELAP	0.018	0.050		**53.1**	mg/L	1	11/21/2023 17:31	214894
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.7**	µg/L	5	11/20/2023 23:20	214894
Arsenic	NELAP	0.4	1.0		**2.0**	µg/L	5	11/20/2023 23:20	214894
Barium	NELAP	0.7	1.0		**81.8**	µg/L	5	11/20/2023 23:20	214894
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/21/2023 22:21	214894
Boron	NELAP	9.2	20	J	**10**	µg/L	5	11/22/2023 12:26	214894
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/20/2023 23:20	214894
Chromium	NELAP	0.7	1.5		**3.2**	µg/L	5	11/20/2023 23:20	214894
Cobalt	NELAP	0.1	1.0		**1.3**	µg/L	5	11/20/2023 23:20	214894
Lead	NELAP	0.6	1.0		**2.7**	µg/L	5	11/20/2023 23:20	214894
Lithium	*	1.4	3.0		**6.7**	µg/L	5	11/22/2023 12:26	214894
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	11/20/2023 23:20	214894
Selenium	NELAP	0.6	1.0		**2.9**	µg/L	5	11/20/2023 23:20	214894
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/20/2023 23:20	214894

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-024 **Client Sample ID:** G200

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 10:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.13	0.20		**< 0.20**	µg/L	1	11/22/2023 17:37	214942

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-025 **Client Sample ID:** G206

Matrix: GROUNDWATER **Collection Date:** 11/15/2023 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.16**	ft	1	11/15/2023 14:31	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.7**	NTU	1	11/15/2023 14:31	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-256**	mV	1	11/15/2023 14:31	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**801**	µS/cm	1	11/15/2023 14:31	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.6**	°C	1	11/15/2023 14:31	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.21**	mg/L	1	11/15/2023 14:31	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**7.46**		1	11/15/2023 14:31	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**293**	mg/L	1	11/20/2023 9:38	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 9:38	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**485**	mg/L	2.5	11/17/2023 9:53	R339458
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**132**	mg/L	10	11/18/2023 0:10	R339502
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.48**	mg/L	1	11/28/2023 8:56	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**23**	mg/L	1	11/18/2023 0:00	R339515
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**83.3**	mg/L	1	11/21/2023 17:31	214894
Magnesium	NELAP	0.006	0.050	S	**35.2**	mg/L	1	11/21/2023 17:31	214894
Potassium	NELAP	0.040	0.100		**0.625**	mg/L	1	11/21/2023 17:31	214894
Sodium	NELAP	0.018	0.050	S	**49.8**	mg/L	1	11/21/2023 17:31	214894
Matrix spike control limits not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/20/2023 23:39	214894
Arsenic	NELAP	0.4	1.0		**1.6**	µg/L	5	11/20/2023 23:39	214894
Barium	NELAP	0.7	1.0		**53.4**	µg/L	5	11/20/2023 23:39	214894
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/21/2023 22:27	214894
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	11/22/2023 13:50	214894
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/20/2023 23:39	214894
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/20/2023 23:39	214894
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	11/20/2023 23:39	214894
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/20/2023 23:39	214894
Lithium	*	1.4	3.0	J	**2.8**	µg/L	5	11/22/2023 13:50	214894
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	11/20/2023 23:39	214894
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/20/2023 23:39	214894
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/20/2023 23:39	214894
CCV recovered outside the upper control limits for B. Sample results are below the reporting limit. Data is reportable per the TNI standard.									

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-025 **Client Sample ID:** G206

Matrix: GROUNDWATER **Collection Date:** 11/15/2023 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.13	0.20		**< 0.20**	µg/L	1	11/22/2023 17:41	214942

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-026 **Client Sample ID:** G206D

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 8:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**30.40**	ft	1	11/17/2023 8:42	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.1**	NTU	1	11/17/2023 8:42	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-54**	mV	1	11/17/2023 8:42	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**996**	µS/cm	1	11/17/2023 8:42	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.0**	°C	1	11/17/2023 8:42	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.85**	mg/L	1	11/17/2023 8:42	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**7.14**		1	11/17/2023 8:42	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**420**	mg/L	1	11/20/2023 9:44	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 9:44	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**755**	mg/L	2.5	11/21/2023 9:23	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**153**	mg/L	10	11/28/2023 22:46	R339808
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**1.09**	mg/L	1	11/28/2023 8:57	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**22**	mg/L	1	11/28/2023 22:27	R339847
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**80.3**	mg/L	1	11/21/2023 17:34	214894
Magnesium	NELAP	0.006	0.050		**29.7**	mg/L	1	11/21/2023 17:34	214894
Potassium	NELAP	0.040	0.100		**1.21**	mg/L	1	11/21/2023 17:34	214894
Sodium	NELAP	0.018	0.050		**116**	mg/L	1	11/21/2023 17:34	214894
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/20/2023 23:26	214894
Arsenic	NELAP	0.4	1.0		**16.8**	µg/L	5	11/20/2023 23:26	214894
Barium	NELAP	0.7	1.0		**183**	µg/L	5	11/20/2023 23:26	214894
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/21/2023 23:09	214894
Boron	NELAP	9.2	20.0		**123**	µg/L	5	11/22/2023 12:31	214894
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/20/2023 23:26	214894
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/20/2023 23:26	214894
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	11/20/2023 23:26	214894
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/20/2023 23:26	214894
Lithium	*	1.4	3.0	J	**2.5**	µg/L	5	11/22/2023 12:31	214894
Molybdenum	NELAP	0.6	1.5		**10.0**	µg/L	5	11/20/2023 23:26	214894
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/20/2023 23:26	214894
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/20/2023 23:26	214894

Teklab, Inc.
Environmental Laboratory

Laboratory Results

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Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-026 **Client Sample ID:** G206D

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 8:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.09	0.20		**< 0.20**	µg/L	1	11/29/2023 8:43	215193

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-027 **Client Sample ID:** G207

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 8:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.67**	ft	1	11/14/2023 8:49	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-028 **Client Sample ID:** G208

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 8:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.66**	ft	1	11/17/2023 8:21	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-029 **Client Sample ID:** G209

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 14:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.24**	ft	1	11/16/2023 14:39	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.7**	NTU	1	11/16/2023 14:39	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-23**	mV	1	11/16/2023 14:39	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1210**	µS/cm	1	11/16/2023 14:39	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.3**	°C	1	11/16/2023 14:39	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.52**	mg/L	1	11/16/2023 14:39	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**7.00**		1	11/16/2023 14:39	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**387**	mg/L	1	11/20/2023 9:52	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 9:52	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**826**	mg/L	1	11/21/2023 9:14	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**255**	mg/L	10	11/28/2023 23:02	R339808
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.52**	mg/L	1	11/28/2023 8:59	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**52**	mg/L	10	11/28/2023 23:01	R339847
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**143**	mg/L	1	11/21/2023 16:49	214904
Magnesium	NELAP	0.006	0.050		**50.6**	mg/L	1	11/21/2023 16:49	214904
Potassium	NELAP	0.040	0.100		**0.581**	mg/L	1	11/21/2023 16:49	214904
Sodium	NELAP	0.018	0.050		**75.7**	mg/L	1	11/21/2023 16:49	214904
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/21/2023 1:18	214904
Arsenic	NELAP	0.4	1.0		**1.7**	µg/L	5	11/21/2023 1:18	214904
Barium	NELAP	0.7	1.0		**59.9**	µg/L	5	11/21/2023 1:18	214904
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/21/2023 23:27	214904
Boron	NELAP	9.2	20	J	**14**	µg/L	5	11/27/2023 14:25	214904
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/21/2023 1:18	214904
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/21/2023 1:18	214904
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	11/21/2023 1:18	214904
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/21/2023 1:18	214904
Lithium	*	1.4	3.0		**5.8**	µg/L	5	11/22/2023 15:15	214904
Molybdenum	NELAP	0.6	1.5		**2.3**	µg/L	5	11/21/2023 1:18	214904
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/21/2023 1:18	214904
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/21/2023 1:18	214904

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-029 **Client Sample ID:** G209

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 14:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/28/2023 9:34	214943

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-030 **Client Sample ID:** G210

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 14:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**15.82**	ft	1	11/16/2023 14:21	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-031 **Client Sample ID:** G211

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 13:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**15.61**	ft	1	11/16/2023 13:53	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-032 **Client Sample ID:** G212

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**16.92**	ft	1	11/16/2023 13:12	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.7**	NTU	1	11/16/2023 13:12	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**102**	mV	1	11/16/2023 13:12	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**680**	µS/cm	1	11/16/2023 13:12	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.8**	°C	1	11/16/2023 13:12	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.36**	mg/L	1	11/16/2023 13:12	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**7.15**		1	11/16/2023 13:12	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**236**	mg/L	1	11/20/2023 9:59	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 9:59	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**434**	mg/L	1	11/21/2023 9:15	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**63**	mg/L	2	11/28/2023 23:44	R339808
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	11/28/2023 9:01	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**47**	mg/L	2	11/28/2023 23:44	R339847
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**54.6**	mg/L	1	11/22/2023 15:04	214920
Magnesium	NELAP	0.006	0.050		**26.6**	mg/L	1	11/22/2023 15:04	214920
Potassium	NELAP	0.040	0.100		**0.301**	mg/L	1	11/22/2023 15:04	214920
Sodium	NELAP	0.018	0.050		**59.7**	mg/L	1	11/22/2023 15:04	214920
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/21/2023 23:45	214920
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/21/2023 23:45	214920
Barium	NELAP	0.7	1.0		**63.0**	µg/L	5	11/21/2023 23:45	214920
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/21/2023 23:45	214920
Boron	NELAP	12.5	20.0		**< 20.0**	µg/L	5	11/22/2023 23:57	214920
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/21/2023 23:45	214920
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/21/2023 23:45	214920
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	11/21/2023 23:45	214920
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/21/2023 23:45	214920
Lithium	*	1.4	3.0	J	**1.7**	µg/L	5	11/22/2023 23:57	214920
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	11/21/2023 23:45	214920
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/21/2023 23:45	214920
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/21/2023 23:45	214920

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-032 **Client Sample ID:** G212

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/28/2023 9:51	214943

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-033 **Client Sample ID:** G213

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**17.41**	ft	1	11/16/2023 12:48	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.2**	NTU	1	11/16/2023 12:48	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**84**	mV	1	11/16/2023 12:48	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**662**	µS/cm	1	11/16/2023 12:48	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.5**	°C	1	11/16/2023 12:48	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.84**	mg/L	1	11/16/2023 12:48	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**7.09**		1	11/16/2023 12:48	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**226**	mg/L	1	11/20/2023 10:06	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 10:06	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**420**	mg/L	1	11/21/2023 9:16	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**79**	mg/L	5	11/28/2023 23:47	R339808
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.36**	mg/L	1	11/28/2023 9:02	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**52**	mg/L	5	11/28/2023 23:47	R339847
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**64.7**	mg/L	1	11/22/2023 15:05	214920
Magnesium	NELAP	0.006	0.050		**30.1**	mg/L	1	11/22/2023 15:05	214920
Potassium	NELAP	0.040	0.100		**0.429**	mg/L	1	11/22/2023 15:05	214920
Sodium	NELAP	0.018	0.050		**35.7**	mg/L	1	11/22/2023 15:05	214920
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/21/2023 23:51	214920
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/21/2023 23:51	214920
Barium	NELAP	0.7	1.0		**46.9**	µg/L	5	11/21/2023 23:51	214920
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/21/2023 23:51	214920
Boron	NELAP	12.5	20.0		**< 20.0**	µg/L	5	11/23/2023 0:03	214920
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/21/2023 23:51	214920
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/21/2023 23:51	214920
Cobalt	NELAP	0.1	1.0	J	**0.1**	µg/L	5	11/21/2023 23:51	214920
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/21/2023 23:51	214920
Lithium	*	1.4	3.0		**3.3**	µg/L	5	11/23/2023 0:03	214920
Molybdenum	NELAP	0.6	1.5	J	**0.9**	µg/L	5	11/21/2023 23:51	214920
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/21/2023 23:51	214920
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/21/2023 23:51	214920

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-033 **Client Sample ID:** G213

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/28/2023 9:56	214943

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24
Lab ID: 23110002-034
Client Sample ID: G214
Matrix: GROUNDWATER
Collection Date: 11/16/2023 12:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**19.35**	ft	1	11/16/2023 12:18	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-035 **Client Sample ID:** G215

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 11:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**19.03**	ft	1	11/16/2023 11:52	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**27**	NTU	1	11/16/2023 11:52	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-12**	mV	1	11/16/2023 11:52	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1770**	µS/cm	1	11/16/2023 11:52	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.3**	°C	1	11/16/2023 11:52	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.53**	mg/L	1	11/16/2023 11:52	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.94**		1	11/16/2023 11:52	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**343**	mg/L	1	11/20/2023 10:11	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 10:11	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1250**	mg/L	1	11/21/2023 9:16	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**512**	mg/L	20	11/29/2023 13:47	R339891
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	11/28/2023 9:04	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**138**	mg/L	10	11/28/2023 23:57	R339847
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**180**	mg/L	1	11/22/2023 15:05	214920
Magnesium	NELAP	0.006	0.050		**95.3**	mg/L	1	11/22/2023 15:05	214920
Potassium	NELAP	0.040	0.100		**4.73**	mg/L	1	11/22/2023 15:05	214920
Sodium	NELAP	0.018	0.050		**95.4**	mg/L	1	11/22/2023 15:05	214920
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/22/2023 0:03	214920
Arsenic	NELAP	0.4	1.0		**11.2**	µg/L	5	11/22/2023 0:03	214920
Barium	NELAP	0.7	1.0		**58.5**	µg/L	5	11/22/2023 0:03	214920
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 0:03	214920
Boron	NELAP	12.5	20.0		**727**	µg/L	5	11/23/2023 0:58	214920
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 0:03	214920
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/22/2023 0:03	214920
Cobalt	NELAP	0.1	1.0		**1.2**	µg/L	5	11/22/2023 0:03	214920
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/22/2023 0:03	214920
Lithium	*	1.4	3.0		**9.1**	µg/L	5	11/23/2023 0:58	214920
Molybdenum	NELAP	0.6	1.5		**10.2**	µg/L	5	11/22/2023 0:03	214920
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/22/2023 0:03	214920
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/22/2023 0:03	214920

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24
Lab ID: 23110002-035
Client Sample ID: G215
Matrix: GROUNDWATER
Collection Date: 11/16/2023 11:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/28/2023 10:09	214943

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-036 **Client Sample ID:** G216

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 11:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**18.21**	ft	1	11/16/2023 11:20	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-037 **Client Sample ID:** G217

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 10:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**19.68**	ft	1	11/16/2023 10:43	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**11**	NTU	1	11/16/2023 10:43	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**16**	mV	1	11/16/2023 10:43	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1480**	µS/cm	1	11/16/2023 10:43	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.1**	°C	1	11/16/2023 10:43	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.75**	mg/L	1	11/16/2023 10:43	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.88**		1	11/16/2023 10:43	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**288**	mg/L	1	11/20/2023 10:18	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 10:18	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1100**	mg/L	1	11/21/2023 9:22	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**427**	mg/L	20	11/29/2023 0:38	R339808
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.42**	mg/L	1	11/28/2023 9:14	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**123**	mg/L	10	11/29/2023 0:11	R339847
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**177**	mg/L	1	11/22/2023 15:06	214920
Magnesium	NELAP	0.006	0.050	S	**71.4**	mg/L	1	11/22/2023 15:06	214920
Potassium	NELAP	0.040	0.100		**0.626**	mg/L	1	11/22/2023 15:06	214920
Sodium	NELAP	0.018	0.050	S	**73.6**	mg/L	1	11/22/2023 15:06	214920
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/22/2023 1:16	214920
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	11/22/2023 1:16	214920
Barium	NELAP	0.7	1.0		**127**	µg/L	5	11/22/2023 1:16	214920
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 1:16	214920
Boron	NELAP	12	20	J	**15**	µg/L	5	11/23/2023 0:15	214920
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 1:16	214920
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/22/2023 1:16	214920
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	11/22/2023 1:16	214920
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/22/2023 1:16	214920
Lithium	*	1.4	3.0		**3.5**	µg/L	5	11/23/2023 0:15	214920
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	11/22/2023 1:16	214920
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/22/2023 1:16	214920
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/22/2023 1:16	214920

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-037 **Client Sample ID:** G217

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 10:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.09	0.20		**< 0.20**	µg/L	1	11/29/2023 8:46	215193

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-038 **Client Sample ID:** G218

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 10:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**18.67**	ft	1	11/16/2023 10:13	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**20**	NTU	1	11/16/2023 10:13	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-5**	mV	1	11/16/2023 10:13	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1530**	µS/cm	1	11/16/2023 10:13	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.8**	°C	1	11/16/2023 10:13	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.63**	mg/L	1	11/16/2023 10:13	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.84**		1	11/16/2023 10:13	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**298**	mg/L	1	11/20/2023 10:25	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 10:25	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1140**	mg/L	2.5	11/21/2023 9:23	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**433**	mg/L	10	11/29/2023 0:48	R339808
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.35**	mg/L	1	11/28/2023 9:16	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**125**	mg/L	10	11/29/2023 0:48	R339847
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**181**	mg/L	1	11/22/2023 15:08	214920
Magnesium	NELAP	0.006	0.050		**74.3**	mg/L	1	11/22/2023 15:08	214920
Potassium	NELAP	0.040	0.100		**0.810**	mg/L	1	11/22/2023 15:08	214920
Sodium	NELAP	0.018	0.050		**73.7**	mg/L	1	11/22/2023 15:08	214920
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/22/2023 0:40	214920
Arsenic	NELAP	0.4	1.0		**3.1**	µg/L	5	11/22/2023 0:40	214920
Barium	NELAP	0.7	1.0		**93.1**	µg/L	5	11/22/2023 0:40	214920
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 0:40	214920
Boron	NELAP	12.5	20.0		**23.7**	µg/L	5	11/23/2023 1:10	214920
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 0:40	214920
Chromium	NELAP	0.7	1.5		**2.2**	µg/L	5	11/22/2023 0:40	214920
Cobalt	NELAP	0.1	1.0		**1.3**	µg/L	5	11/22/2023 0:40	214920
Lead	NELAP	0.6	1.0	J	**0.9**	µg/L	5	11/22/2023 0:40	214920
Lithium	*	1.4	3.0		**4.7**	µg/L	5	11/23/2023 1:10	214920
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	11/22/2023 0:40	214920
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/22/2023 0:40	214920
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/22/2023 0:40	214920

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-038 **Client Sample ID:** G218

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 10:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.09	0.20		**< 0.20**	µg/L	1	11/29/2023 8:55	215193

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24
Lab ID: 23110002-086
Client Sample ID: MW03D
Matrix: GROUNDWATER
Collection Date: 11/13/2023 9:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**32.01**	ft	1	11/13/2023 9:57	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-087 **Client Sample ID:** MW12D

Matrix: GROUNDWATER **Collection Date:** 11/13/2023 10:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**15.64**	ft	1	11/13/2023 10:41	R339628

Teklab, Inc.
Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24
Lab ID: 23110002-089
Client Sample ID: NE Riser
Matrix: LEACHATE
Collection Date: 11/13/2023 10:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**See comment**	ft	1	11/13/2023 10:30	R339628
Unable to collect DTW.									

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-090 **Client Sample ID:** R104

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 14:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.91**	ft	1	11/14/2023 14:40	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-091 **Client Sample ID:** R201

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.73**	ft	1	11/14/2023 10:37	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**14**	NTU	1	11/14/2023 10:37	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-97**	mV	1	11/14/2023 10:37	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1160**	µS/cm	1	11/14/2023 10:37	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.0**	°C	1	11/14/2023 10:37	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.75**	mg/L	1	11/14/2023 10:37	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.99**		1	11/14/2023 10:37	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**364**	mg/L	1	11/20/2023 11:53	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 11:53	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**705**	mg/L	2.5	11/17/2023 10:55	R339458
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100	H	**167**	mg/L	10	12/19/2023 9:18	R340912
Sample analysis did not meet hold time requirements.									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.41**	mg/L	1	11/28/2023 10:25	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8	H	**60**	mg/L	2	12/19/2023 9:12	R340913
Sample analysis did not meet hold time requirements.									
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**103**	mg/L	1	11/21/2023 17:25	214922
Magnesium	NELAP	0.006	0.050		**40.4**	mg/L	1	11/21/2023 17:25	214922
Potassium	NELAP	0.040	0.100		**1.03**	mg/L	1	11/21/2023 17:25	214922
Sodium	NELAP	0.018	0.050		**101**	mg/L	1	11/21/2023 17:25	214922
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.8**	µg/L	5	11/21/2023 13:30	214922
Arsenic	NELAP	0.4	1.0		**2.8**	µg/L	5	11/22/2023 15:13	214922
Barium	NELAP	0.7	1.0		**87.9**	µg/L	5	11/21/2023 13:30	214922
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 15:13	214922
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	11/30/2023 10:15	214922
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 15:13	214922
Chromium	NELAP	0.7	1.5		**2.1**	µg/L	5	11/27/2023 20:39	214922
Cobalt	NELAP	0.1	1.0	J	**0.7**	µg/L	5	11/21/2023 13:30	214922
Lead	NELAP	0.6	1.0	J	**0.7**	µg/L	5	11/21/2023 13:30	214922
Lithium	*	1.4	3.0	J	**3.0**	µg/L	5	11/22/2023 15:13	214922
Molybdenum	NELAP	0.6	1.5	J	**1.0**	µg/L	5	11/27/2023 20:39	214922
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/22/2023 15:13	214922
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/21/2023 13:30	214922

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-091 **Client Sample ID:** R201

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/22/2023 14:29	214958

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-092 **Client Sample ID:** R205

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 14:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.48**	ft	1	11/20/2023 14:39	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-095 **Client Sample ID:** YSG04

Matrix: GROUNDWATER **Collection Date:** 11/13/2023 14:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.32**	ft	1	11/13/2023 14:21	R339628

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-102 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 11/21/2023 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**2**	mg/L	1	11/27/2023 10:15	R339712
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/27/2023 10:15	R339712
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	11/22/2023 9:41	R339719
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	11/29/2023 20:00	R339891
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	11/28/2023 11:00	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	11/29/2023 20:00	R339907
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**< 0.100**	mg/L	1	11/29/2023 18:20	215175
Magnesium	NELAP	0.006	0.050	J	**0.016**	mg/L	1	11/29/2023 18:20	215175
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	11/29/2023 18:20	215175
Sodium	NELAP	0.018	0.050		**< 0.050**	mg/L	1	11/29/2023 18:20	215175
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	12/02/2023 3:10	215175
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/30/2023 5:51	215175
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	11/30/2023 5:51	215175
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 5:51	215175
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	11/30/2023 5:51	215175
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 5:51	215175
Chromium	NELAP	0.7	1.5	J	**0.7**	µg/L	5	11/30/2023 17:46	215175
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	11/30/2023 5:51	215175
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 17:46	215175
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	11/30/2023 5:51	215175
Molybdenum	NELAP	0.8	1.5		**< 1.5**	µg/L	5	11/30/2023 5:51	215175
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 5:51	215175
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/30/2023 5:51	215175
LCS recovered outside upper control limits for Sb. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/30/2023 11:46	215244

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-103 **Client Sample ID:** G102 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 15:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.84**	ft	1	11/14/2023 15:37	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**26**	NTU	1	11/14/2023 15:37	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**18**	mV	1	11/14/2023 15:37	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**881**	µS/cm	1	11/14/2023 15:37	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.4**	°C	1	11/14/2023 15:37	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.78**	mg/L	1	11/14/2023 15:37	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**7.30**		1	11/14/2023 15:37	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**304**	mg/L	1	11/20/2023 12:08	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 12:08	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**592**	mg/L	1	11/17/2023 10:56	R339458
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**134**	mg/L	10	11/17/2023 3:06	R339393
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.28**	mg/L	1	11/28/2023 10:27	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**34**	mg/L	2	11/17/2023 3:01	R339442
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**78.3**	mg/L	1	11/22/2023 15:15	214920
Magnesium	NELAP	0.006	0.050		**34.1**	mg/L	1	11/22/2023 15:15	214920
Potassium	NELAP	0.040	0.100		**0.667**	mg/L	1	11/22/2023 15:15	214920
Sodium	NELAP	0.018	0.050		**67.6**	mg/L	1	11/22/2023 15:15	214920
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.9**	µg/L	5	11/22/2023 2:29	214920
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	11/22/2023 2:29	214920
Barium	NELAP	0.7	1.0		**87.3**	µg/L	5	11/22/2023 2:29	214920
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 2:29	214920
Boron	NELAP	12.5	20.0		**< 20.0**	µg/L	5	11/23/2023 2:40	214920
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 2:29	214920
Chromium	NELAP	0.7	1.5		**2.5**	µg/L	5	11/22/2023 2:29	214920
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	11/22/2023 2:29	214920
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/22/2023 2:29	214920
Molybdenum	NELAP	0.6	1.5	J	**0.9**	µg/L	5	11/22/2023 2:29	214920
Selenium	NELAP	0.6	1.0		**2.3**	µg/L	5	11/22/2023 2:29	214920
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/22/2023 2:29	214920

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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-103 **Client Sample ID:** G102 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 15:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/22/2023 14:42	214958

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-104 **Client Sample ID:** G200 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 10:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.88**	ft	1	11/14/2023 10:01	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**100**	NTU	1	11/14/2023 10:01	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**97**	mV	1	11/14/2023 10:01	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**793**	µS/cm	1	11/14/2023 10:01	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.0**	°C	1	11/14/2023 10:01	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.98**	mg/L	1	11/14/2023 10:01	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**7.16**		1	11/14/2023 10:01	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**285**	mg/L	1	11/20/2023 12:15	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 12:15	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**490**	mg/L	2.5	11/17/2023 10:56	R339458
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**104**	mg/L	10	11/17/2023 3:14	R339393
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.35**	mg/L	1	11/28/2023 10:28	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**44**	mg/L	2	11/17/2023 3:09	R339442
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**79.9**	mg/L	1	11/22/2023 15:16	214920
Magnesium	NELAP	0.006	0.050		**38.3**	mg/L	1	11/22/2023 15:16	214920
Potassium	NELAP	0.040	0.100		**1.07**	mg/L	1	11/22/2023 15:16	214920
Sodium	NELAP	0.018	0.050		**50.4**	mg/L	1	11/22/2023 15:16	214920
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**1.0**	µg/L	5	11/22/2023 2:35	214920
Arsenic	NELAP	0.4	1.0		**2.7**	µg/L	5	11/22/2023 2:35	214920
Barium	NELAP	0.7	1.0		**89.0**	µg/L	5	11/22/2023 2:35	214920
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 2:35	214920
Boron	NELAP	12.5	20.0		**< 20.0**	µg/L	5	11/23/2023 2:46	214920
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 2:35	214920
Chromium	NELAP	0.7	1.5		**4.5**	µg/L	5	11/22/2023 2:35	214920
Cobalt	NELAP	0.1	1.0		**2.0**	µg/L	5	11/22/2023 2:35	214920
Lead	NELAP	0.6	1.0		**3.4**	µg/L	5	11/22/2023 2:35	214920
Lithium	*	1.4	3.0		**6.5**	µg/L	5	11/23/2023 2:46	214920
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	11/22/2023 2:35	214920
Selenium	NELAP	0.6	1.0		**3.1**	µg/L	5	11/22/2023 2:35	214920
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/22/2023 2:35	214920

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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24
Lab ID: 23110002-104
Client Sample ID: G200 Duplicate
Matrix: GROUNDWATER
Collection Date: 11/14/2023 10:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/22/2023 14:14	214958

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-107 **Client Sample ID:** R201 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.73**	ft	1	11/14/2023 10:37	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**14**	NTU	1	11/14/2023 10:37	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-97**	mV	1	11/14/2023 10:37	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1160**	µS/cm	1	11/14/2023 10:37	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.0**	°C	1	11/14/2023 10:37	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.75**	mg/L	1	11/14/2023 10:37	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.99**		1	11/14/2023 10:37	R339628
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**377**	mg/L	1	11/20/2023 12:29	R339514
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/20/2023 12:29	R339514
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**690**	mg/L	2.5	11/17/2023 10:56	R339458
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**162**	mg/L	10	11/17/2023 3:22	R339393
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.39**	mg/L	1	11/28/2023 10:32	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		**60**	mg/L	10	11/17/2023 3:22	R339442
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**97.2**	mg/L	1	11/22/2023 15:17	214920
Magnesium	NELAP	0.006	0.050	S	**40.5**	mg/L	1	11/22/2023 15:17	214920
Potassium	NELAP	0.040	0.100		**0.948**	mg/L	1	11/22/2023 15:17	214920
Sodium	NELAP	0.018	0.050	S	**99.9**	mg/L	1	11/22/2023 15:17	214920
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/22/2023 2:47	214920
Arsenic	NELAP	0.4	1.0		**2.5**	µg/L	5	11/22/2023 2:47	214920
Barium	NELAP	0.7	1.0		**76.7**	µg/L	5	11/22/2023 2:47	214920
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 2:47	214920
Boron	NELAP	12.5	20.0		**< 20.0**	µg/L	5	11/23/2023 3:11	214920
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 2:47	214920
Chromium	NELAP	0.7	1.5	J	**1.2**	µg/L	5	11/22/2023 2:47	214920
Cobalt	NELAP	0.1	1.0	J	**0.6**	µg/L	5	11/22/2023 2:47	214920
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/22/2023 2:47	214920
Lithium	*	1.4	3.0		**3.1**	µg/L	5	11/23/2023 3:11	214920
Molybdenum	NELAP	0.6	1.5	J	**0.8**	µg/L	5	11/22/2023 2:47	214920
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/22/2023 2:47	214920
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/22/2023 2:47	214920

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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

Lab ID: 23110002-107 **Client Sample ID:** R201 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/22/2023 14:51	214958

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24
Lab ID: 23110002-108
Client Sample ID: G211 (resample)
Matrix: GROUNDWATER
Collection Date: 12/06/2023 11:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**15.94**	ft	1	12/06/2023 11:16	R339628

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: COF-23Q4

Work Order: 23110002
Report Date: 08-Jan-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23110002-002	G102	Groundwater	1	11/14/2023 15:37
23110002-003	G103	Groundwater	1	11/14/2023 15:13
23110002-004	G105	Groundwater	1	11/14/2023 14:22
23110002-005	G106	Groundwater	1	11/14/2023 13:54
23110002-024	G200	Groundwater	6	11/14/2023 10:01
23110002-025	G206	Groundwater	6	11/15/2023 14:31
23110002-026	G206D	Groundwater	2	11/17/2023 8:42
23110002-027	G207	Groundwater	1	11/14/2023 8:49
23110002-028	G208	Groundwater	1	11/17/2023 8:21
23110002-029	G209	Groundwater	6	11/16/2023 14:39
23110002-030	G210	Groundwater	1	11/16/2023 14:21
23110002-031	G211	Groundwater	1	11/16/2023 13:53
23110002-032	G212	Groundwater	6	11/16/2023 13:12
23110002-033	G213	Groundwater	6	11/16/2023 12:48
23110002-034	G214	Groundwater	1	11/16/2023 12:18
23110002-035	G215	Groundwater	6	11/16/2023 11:52
23110002-036	G216	Groundwater	1	11/16/2023 11:20
23110002-037	G217	Groundwater	6	11/16/2023 10:43
23110002-038	G218	Groundwater	6	11/16/2023 10:13
23110002-086	MW03D	Groundwater	1	11/13/2023 9:57
23110002-087	MW12D	Groundwater	1	11/13/2023 10:41
23110002-089	NE Riser	Leachate	1	11/13/2023 10:30
23110002-090	R104	Groundwater	1	11/14/2023 14:40
23110002-091	R201	Groundwater	6	11/14/2023 10:37
23110002-092	R205	Groundwater	1	11/20/2023 14:39
23110002-095	YSG04	Groundwater	1	11/13/2023 14:21
23110002-102	Field Blank	Aqueous	15	11/21/2023 10:36
23110002-103	G102 Duplicate	Groundwater	7	11/14/2023 15:37
23110002-104	G200 Duplicate	Groundwater	6	11/14/2023 10:01
23110002-107	R201 Duplicate	Groundwater	6	11/14/2023 10:37
23110002-108	G211 (resample)	Groundwater	1	12/06/2023 11:16

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

STANDARD METHODS 2510 B FIELD

Batch R339628 **SampType:** LCS Units **µS/cm**
SampID: LCS-R339628-1

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	11/14/2023

Batch R339628 **SampType:** LCS Units **µS/cm**
SampID: LCS-R339628-10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	11/21/2023

Batch R339628 **SampType:** LCS Units **µS/cm**
SampID: LCS-R339628-11

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	12/06/2023

Batch R339628 **SampType:** LCS Units **µS/cm**
SampID: LCS-R339628-12

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1430**	1412	0	101.2	90	110	12/07/2023

Batch R339628 **SampType:** LCS Units **µS/cm**
SampID: LCS-R339628-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.3	90	110	11/15/2023

Batch R339628 **SampType:** LCS Units **µS/cm**
SampID: LCS-R339628-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1430**	1412	0	101.4	90	110	11/16/2023

Batch R339628 **SampType:** LCS Units **µS/cm**
SampID: LCS-R339628-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	11/16/2023

Batch R339628 **SampType:** LCS Units **µS/cm**
SampID: LCS-R339628-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1430**	1412	0	101.6	90	110	11/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

STANDARD METHODS 2510 B FIELD

Batch R339628 **SampType:** LCS Units **µS/cm**
SampID: LCS-R339628-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	11/17/2023

Batch R339628 **SampType:** LCS Units **µS/cm**
SampID: LCS-R339628-7

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1430**	1412	0	101.1	90	110	11/20/2023

Batch R339628 **SampType:** LCS Units **µS/cm**
SampID: LCS-R339628-8

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	11/20/2023

Batch R339628 **SampType:** LCS Units **µS/cm**
SampID: LCS-R339628-9

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1440**	1412	0	102.2	90	110	11/21/2023

SW-846 9040B FIELD

Batch R339628 **SampType:** LCS Units
SampID: LCS-R339628-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.03**	7.000	0	100.4	98.57	101.4	11/14/2023

Batch R339628 **SampType:** LCS Units
SampID: LCS-R339628-10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.98**	7.000	0	99.7	98.57	101.4	11/21/2023

Batch R339628 **SampType:** LCS Units
SampID: LCS-R339628-11

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	12/06/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9040B FIELD

Batch R339628 **SampType:** LCS Units
SampID: LCS-R339628-12

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	12/07/2023

Batch R339628 **SampType:** LCS Units
SampID: LCS-R339628-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.04**	7.000	0	100.6	98.57	101.4	11/15/2023

Batch R339628 **SampType:** LCS Units
SampID: LCS-R339628-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.03**	7.000	0	100.4	98.57	101.4	11/16/2023

Batch R339628 **SampType:** LCS Units
SampID: LCS-R339628-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.06**	7.000	0	100.9	98.57	101.4	11/16/2023

Batch R339628 **SampType:** LCS Units
SampID: LCS-R339628-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	11/17/2023

Batch R339628 **SampType:** LCS Units
SampID: LCS-R339628-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.03**	7.000	0	100.4	98.57	101.4	11/17/2023

Batch R339628 **SampType:** LCS Units
SampID: LCS-R339628-7

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	11/20/2023

Batch R339628 **SampType:** LCS Units
SampID: LCS-R339628-8

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.06**	7.000	0	100.9	98.57	101.4	11/20/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

SW-846 9040B FIELD

Batch R339628 **SampType:** LCS Units

SampID: LCS-R339628-9

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.03**	7.000	0	100.4	98.57	101.4	11/21/2023

EPA 1664A

Batch R339481 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**< 5**	4.400	0	0	-100	100	11/17/2023

Batch R339481 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**38**	40.00	0	95.8	78	114	11/17/2023

Batch R339481 **SampType:** MS Units **mg/L**

SampID: 23110742-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5	S	**32**	42.28	0	75.5	78	114	11/17/2023

Batch R339734 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**< 5**	4.400	0	0	-100	100	11/22/2023

Batch R339734 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**45**	40.00	0	111.5	78	114	11/22/2023

Batch R339734 **SampType:** MS Units **mg/L**

SampID: 23111204-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		6		**42**	44.72	6.013	80.8	78	114	11/22/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

EPA 1664A

Batch R339734 **SampType:** MS Units **mg/L**
SampID: 23111728-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		4		**36**	32.88	5.193	92.5	78	114	11/22/2023

EPA 600 350.1 (TOTAL)

Batch R339404 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	11/17/2023

Batch R339404 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.02**	1.000	0	101.5	90	110	11/17/2023

Batch R339404 **SampType:** MS Units **mg/L**
SampID: 23111161-002GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.49**	2.000	1.583	95.6	90	110	11/17/2023

Batch R339404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111161-002GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.50**	2.000	1.583	95.6	3.494	0.06	11/17/2023

Batch R339404 **SampType:** MS Units **mg/L**
SampID: 23111196-002CMS

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	0.03300	93.5	90	110	11/17/2023

Batch R339404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111196-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.91**	2.000	0.03300	94.0	1.903	0.52	11/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

EPA 600 350.1 (TOTAL)

Batch R339404 **SampType:** MS Units **mg/L**
SampID: 23111243-002BMS

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	0.03200	93.2	90	110	11/17/2023

Batch R339404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111243-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0.03200	92.0	1.895	1.22	11/17/2023

Batch R339404 **SampType:** MS Units **mg/L**
SampID: 23111270-001AMS

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	94.9	90	110	11/17/2023

Batch R339404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111270-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0	93.8	1.898	1.11	11/17/2023

Batch R339404 **SampType:** MS Units **mg/L**
SampID: 23111272-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.89**	2.000	0	94.5	90	110	11/17/2023

Batch R339404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111272-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.85**	2.000	0	92.6	1.890	2.09	11/17/2023

Batch R339404 **SampType:** MS Units **mg/L**
SampID: 23111317-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.89**	2.000	1.004	94.4	90	110	11/17/2023

Batch R339404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111317-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.88**	2.000	1.004	93.8	2.892	0.42	11/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

EPA 600 350.1 (TOTAL)

Batch R339404 **SampType:** MS Units **mg/L**
SampID: 23111323-004DMS

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	0.03200	92.5	90	110	11/17/2023

Batch R339404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111323-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.86**	2.000	0.03200	91.6	1.882	0.96	11/17/2023

Batch R339484 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	11/20/2023

Batch R339484 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.04**	1.000	0	103.9	90	110	11/20/2023

Batch R339484 **SampType:** MS Units **mg/L**
SampID: 23111236-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		2.00		**54.7**	40.00	16.68	95.0	90	110	11/20/2023

Batch R339484 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111236-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		2.00		**54.8**	40.00	16.68	95.4	54.68	0.32	11/20/2023

Batch R339484 **SampType:** MS Units **mg/L**
SampID: 23111416-004AMS

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	0.04200	93.6	90	110	11/20/2023

Batch R339484 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111416-004AMSD

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	0.04200	94.4	1.914	0.78	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

EPA 600 350.1 (TOTAL)

Batch R339484 **SampType:** MS Units **mg/L**
SampID: 23111416-008AMS

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	0.03400	93.6	90	110	11/20/2023

Batch R339484 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111416-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0.03400	93.2	1.905	0.32	11/20/2023

Batch R339484 **SampType:** MS Units **mg/L**
SampID: 23111434-002BMS

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	94.0	90	110	11/20/2023

Batch R339484 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111434-002BMSD

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	1.881	0.05	11/20/2023

Batch R339623 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	11/22/2023

Batch R339623 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.00**	1.000	0	100.3	90	110	11/22/2023

Batch R339623 **SampType:** MS Units **mg/L**
SampID: 23111452-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**3.77**	4.000	0.2310	88.5	90	110	11/22/2023

Batch R339623 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111452-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**3.82**	4.000	0.2310	89.8	3.772	1.37	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

EPA 600 350.1 (TOTAL)

Batch R339623 **SampType:** MS Units **mg/L**
SampID: 23111606-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.84**	2.000	0.06300	88.6	90	110	11/22/2023

Batch R339623 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111606-001CMSD

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	0.06300	90.6	1.835	2.16	11/22/2023

Batch R339623 **SampType:** MS Units **mg/L**
SampID: 23111613-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.16**	2.000	0.2890	93.4	90	110	11/22/2023

Batch R339623 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111613-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.18**	2.000	0.2890	94.7	2.157	1.20	11/22/2023

Batch R339623 **SampType:** MS Units **mg/L**
SampID: 23111641-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.85**	2.000	0.03100	90.8	90	110	11/22/2023

Batch R339623 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111641-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.83**	2.000	0.03100	90.1	1.847	0.76	11/22/2023

Batch R339623 **SampType:** MS Units **mg/L**
SampID: 23111700-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.80**	2.000	0	90.0	90	110	11/22/2023

Batch R339623 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111700-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.80**	2.000	0	90.0	1.801	0.06	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

EPA 600 350.1 (TOTAL)

Batch R339623 **SampType:** MS Units **mg/L**
SampID: 23111714-002CMS

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	0.04900	91.4	90	110	11/22/2023

Batch R339623 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111714-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.91**	2.000	0.04900	92.8	1.878	1.48	11/22/2023

Batch R340305 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	12/08/2023

Batch R340305 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.01**	1.000	0	101.0	90	110	12/08/2023

Batch R340305 **SampType:** MS Units **mg/L**
SampID: 23120341-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.03700	94.2	90	110	12/08/2023

Batch R340305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120341-002AMSD

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	0.03700	91.9	1.920	2.37	12/08/2023

Batch R340305 **SampType:** MS Units **mg/L**
SampID: 23120364-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.98**	2.000	0.07400	95.0	90	110	12/08/2023

Batch R340305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120364-002CMSD

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	0.07400	92.9	1.975	2.20	12/08/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

EPA 600 350.1 (TOTAL)

Batch R340305 **SampType:** MS Units **mg/L**
SampID: 23120434-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.88**	2.000	0.9010	99.1	90	110	12/08/2023

Batch R340305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120434-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.84**	2.000	0.9010	96.8	2.883	1.61	12/08/2023

Batch R340305 **SampType:** MS Units **mg/L**
SampID: 23120474-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.03300	94.2	90	110	12/08/2023

Batch R340305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120474-003AMSD

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	0.03300	92.2	1.916	2.06	12/08/2023

Batch R340305 **SampType:** MS Units **mg/L**
SampID: 23120520-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.98**	2.000	0.08700	94.4	90	110	12/08/2023

Batch R340305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120520-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.97**	2.000	0.08700	94.0	1.975	0.46	12/08/2023

Batch R340305 **SampType:** MS Units **mg/L**
SampID: 23120576-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.09**	2.000	1.199	94.7	90	110	12/08/2023

Batch R340305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120576-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.10**	2.000	1.199	95.3	3.093	0.39	12/08/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

EPA 600 365.4 (TOTAL)

Batch 214836 **SampType:** MBLK Units **mg/L**
SampID: MBLK 231116 TP1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**< 0.100**	0.0660	0	0	-100	100	11/21/2023

Batch 214836 **SampType:** LCS Units **mg/L**
SampID: LCS 231116 TP1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.08**	1.000	0	108.5	85	115	11/21/2023

Batch 214836 **SampType:** MS Units **mg/L**
SampID: 23111282-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.500		**5.92**	5.000	0.8000	102.3	85	115	11/21/2023

Batch 214836 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111282-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)		0.500		**6.04**	5.000	0.8000	104.9	5.915	2.17	11/21/2023

Batch 215040 **SampType:** MBLK Units **mg/L**
SampID: MBLK 231121 TP1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**< 0.100**	0.0660	0	0	-100	100	11/28/2023

Batch 215040 **SampType:** LCS Units **mg/L**
SampID: LCS 231121 TP1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**0.967**	1.000	0	96.7	85	115	11/28/2023

Batch 215040 **SampType:** MS Units **mg/L**
SampID: 23111608-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		2.50		**41.7**	25.00	19.30	89.7	85	115	11/28/2023

Batch 215040 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111608-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)		2.50		**41.7**	25.00	19.30	89.6	41.72	0.06	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

EPA 600 365.4 (TOTAL)

Batch 215040 **SampType:** MS Units **mg/L**
SampID: 23111641-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.63**	1.000	0.6250	100.2	85	115	11/28/2023

Batch 215040 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111641-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.61**	1.000	0.6250	98.6	1.627	0.99	11/28/2023

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R339458 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/17/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/17/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/17/2023

Batch R339458 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**948**	1000	0	94.8	90	110	11/17/2023
Total Dissolved Solids		20		**972**	1000	0	97.2	90	110	11/17/2023
Total Dissolved Solids		20		**966**	1000	0	96.6	90	110	11/17/2023

Batch R339458 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23110002-091ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**655**				705.0	7.35	11/17/2023

Batch R339458 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23110002-103ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**568**				592.0	4.14	11/17/2023

Batch R339458 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23111131-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**675**				650.0	3.77	11/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R339670 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/21/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/21/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/21/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/21/2023

Batch R339670 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**1020**	1000	0	102.0	90	110	11/21/2023
Total Dissolved Solids		20		**992**	1000	0	99.2	90	110	11/21/2023
Total Dissolved Solids		20		**1010**	1000	0	101.2	90	110	11/21/2023
Total Dissolved Solids		20		**1000**	1000	0	100.2	90	110	11/21/2023

Batch R339670 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23111155-014ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**< 20**				0	0.00	11/21/2023

Batch R339670 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23111400-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1820**				1854	1.63	11/21/2023

Batch R339670 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23111475-015ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**< 20**				0	0.00	11/21/2023

Batch R339670 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23111606-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**655**				685.0	4.48	11/21/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R339719 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/22/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/22/2023

Batch R339719 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**970**	1000	0	97.0	90	110	11/22/2023
Total Dissolved Solids		20		**960**	1000	0	96.0	90	110	11/22/2023

Batch R339719 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23110002-078ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1630**				1608	1.11	11/22/2023

Batch R339719 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23110663-008ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**608**				604.0	0.66	11/22/2023

Batch R339719 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23111356-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**676**				665.0	1.64	11/22/2023

Batch R339719 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23111785-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**378**				396.0	4.65	11/22/2023

Batch R340221 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	12/06/2023
Total Dissolved Solids		20	J	**16**	16.00	0	100.0	-100	100	12/06/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R340221 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**948**	1000	0	94.8	90	110	12/06/2023
Total Dissolved Solids		20		**918**	1000	0	91.8	90	110	12/06/2023

Batch R340221 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23112017-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1660**				1630	1.94	12/06/2023

Batch R340221 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23120399-005BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**620**				570.0	8.40	12/06/2023

Batch R340363 **SampType:** MBLK Units **mg/L**
SampID: MBLK

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

Batch R340363 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**922**	1000	0	92.2	90	110	12/08/2023
Total Dissolved Solids		20		**946**	1000	0	94.6	90	110	12/08/2023
Total Dissolved Solids		20		**946**	1000	0	94.6	90	110	12/08/2023

Batch R340363 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23120502-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		1000		**24300**				24200	0.41	12/08/2023

Batch R340363 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23120623-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**398**				396.0	0.50	12/08/2023

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R340363 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23120635-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200		**520**				500.0	3.92	12/08/2023

Batch R340363 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23120637-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200		**18700**				18320	1.95	12/08/2023

Batch R340683 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	12/15/2023
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	12/15/2023

Batch R340683 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**934**	1000	0	93.4	90	110	12/15/2023
Total Dissolved Solids		20		**940**	1000	0	94.0	90	110	12/15/2023

Batch R340683 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23110002-062ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50	H	**880**				915.0	3.90	12/15/2023

Batch R340683 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23121193-002BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**544**				494.0	9.63	12/15/2023

STANDARD METHODS 2540 D 1997, 2011

Batch R339483 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	11/17/2023
Total Suspended Solids	*	0.5		**< 0.5**	0.3000	0	0	-100	100	11/17/2023
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	11/17/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

STANDARD METHODS 2540 D 1997, 2011

Batch R339483 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		**106**	100.0	0	106.0	85	115	11/17/2023
Total Suspended Solids		6		**106**	100.0	0	106.0	85	115	11/17/2023
Total Suspended Solids		6		**102**	100.0	0	102.0	85	115	11/17/2023

Batch R339483 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111220-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**15**				15.00	0.00	11/17/2023

Batch R339483 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111226-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids	*	0.8		**6.2**				6.400	2.66	11/17/2023

Batch R339483 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111227-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	11/17/2023

Batch R339483 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111271-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	11/17/2023

Batch R339483 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111297-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**10**				10.00	0.00	11/17/2023

Batch R339483 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111305-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**19**				19.00	0.00	11/17/2023

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

STANDARD METHODS 2540 D 1997, 2011

Batch R339698 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	11/22/2023
Total Suspended Solids	*	0.5		**< 0.5**	0.3000	0	0	-100	100	11/22/2023
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	11/22/2023
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	11/22/2023
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	11/22/2023

Batch R339698 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		**105**	100.0	0	105.0	85	115	11/22/2023
Total Suspended Solids		6		**101**	100.0	0	101.0	85	115	11/22/2023
Total Suspended Solids		6		**99**	100.0	0	99.0	85	115	11/22/2023
Total Suspended Solids		6		**104**	100.0	0	104.0	85	115	11/22/2023
Total Suspended Solids		6		**105**	100.0	0	105.0	85	115	11/22/2023

Batch R339698 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23110002-102EDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	11/22/2023

Batch R339698 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111607-001BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	11/22/2023

Batch R339698 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111637-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6	J	**5**				5.000	0.00	11/22/2023

Batch R339698 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111656-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

STANDARD METHODS 2540 D 1997, 2011

Batch R339698 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111657-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	11/22/2023

Batch R339698 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111723-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		400	R	**2470**				2714	9.56	11/22/2023

Batch R339698 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111728-001CDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6	J	**4**				4.000	0.00	11/22/2023

Batch R339698 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111738-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	11/22/2023

Batch R339698 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111739-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6	JH	**4**				4.000	0.00	11/22/2023

Batch R339698 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111785-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids	*	0.8		**3.8**				3.600	4.67	11/22/2023

Batch R339698 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 23111800-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch R339404 **SampType:** MS Units **mg/L**
SampID: 23110002-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.86**	2.000	0	92.8	90	110	11/17/2023

Batch R339404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.86**	2.000	0	93.2	1.857	0.32	11/17/2023

Batch R339404 **SampType:** MS Units **mg/L**
SampID: 23110002-002GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.86**	2.000	0	92.9	90	110	11/17/2023

Batch R339404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-002GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0	93.4	1.858	0.48	11/17/2023

Batch R339404 **SampType:** MS Units **mg/L**
SampID: 23111131-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**4.82**	4.000	1.089	93.4	90	110	11/17/2023

Batch R339404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111131-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**4.88**	4.000	1.089	94.8	4.824	1.22	11/17/2023

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

Batch R339375 **SampType:** MS Units **mg/L**
SampID: 23110002-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	101.4	85	115	11/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch R339375 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	101.4	0.5070	0.00	11/16/2023

Batch R339605 **SampType:** MS Units **mg/L**
SampID: 23110002-020BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	104.6	85	115	11/21/2023

Batch R339605 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-020BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	106.0	0.5230	1.33	11/21/2023

Batch R340237 **SampType:** MS Units **mg/L**
SampID: 23110002-016BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	103.4	85	115	12/07/2023

Batch R340237 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-016BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.8	0.5170	0.58	12/07/2023

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

Batch R339304 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	11/15/2023

Batch R339304 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	99.2	90	110	11/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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

Batch R339304 **SampType:** MS Units **mg/L**
SampID: 23111147-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.2	85	115	11/15/2023

Batch R339304 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111147-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	92.8	0.5110	9.64	11/15/2023

Batch R339304 **SampType:** MS Units **mg/L**
SampID: 23111182-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.6	85	115	11/15/2023

Batch R339304 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111182-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	106.0	0.5280	0.38	11/15/2023

Batch R339304 **SampType:** MS Units **mg/L**
SampID: 23111182-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.2	85	115	11/15/2023

Batch R339304 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111182-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.8	0.5010	0.60	11/15/2023

Batch R339304 **SampType:** MS Units **mg/L**
SampID: 23111182-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.8	85	115	11/15/2023

Batch R339304 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111182-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	103.8	0.5140	0.97	11/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch R339304 **SampType:** MS Units **mg/L**
SampID: 23111182-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.2	85	115	11/15/2023

Batch R339304 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111182-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.6	0.5260	0.38	11/15/2023

Batch R339304 **SampType:** MS Units **mg/L**
SampID: 23111199-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.0	85	115	11/15/2023

Batch R339304 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111199-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.8	0.5100	1.18	11/15/2023

Batch R339375 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	11/16/2023
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	11/16/2023

Batch R339375 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	98.5	90	110	11/16/2023
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	98.5	90	110	11/16/2023

Batch R339375 **SampType:** MS Units **mg/L**
SampID: 23111216-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.6	85	115	11/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch R339375 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111216-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.0	0.5030	0.60	11/16/2023

Batch R339375 **SampType:** MS Units **mg/L**
SampID: 23111249-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.2	85	115	11/16/2023

Batch R339375 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111249-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.4	0.5260	0.19	11/16/2023

Batch R339375 **SampType:** MS Units **mg/L**
SampID: 23111251-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.2	85	115	11/16/2023

Batch R339375 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111251-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.8	0.5260	9.35	11/16/2023

Batch R339375 **SampType:** MS Units **mg/L**
SampID: 23111255-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	104.4	85	115	11/16/2023

Batch R339375 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111255-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.4	0.5220	0.95	11/16/2023

Batch R339375 **SampType:** MS Units **mg/L**
SampID: 23111356-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.4	85	115	11/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch R339375 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111356-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	106.0	0.5270	0.57	11/16/2023

Batch R339448 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	11/17/2023

Batch R339448 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	100.2	90	110	11/17/2023

Batch R339448 **SampType:** MS Units **mg/L**
SampID: 23111364-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.2	85	115	11/17/2023

Batch R339448 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111364-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.4	0.4960	0.81	11/17/2023

Batch R339448 **SampType:** MS Units **mg/L**
SampID: 23111364-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	101.6	85	115	11/17/2023

Batch R339448 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111364-004BMSD

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	101.6	0.5080	0.00	11/17/2023

Teklab, Inc.
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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch R339605 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	11/21/2023
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	11/21/2023

Batch R339605 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	100.2	90	110	11/21/2023
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	100.2	90	110	11/21/2023

Batch R339605 **SampType:** MS Units **mg/L**
SampID: 23111625-001AMS

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	98.0	85	115	11/21/2023

Batch R339605 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111625-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	98.2	0.4900	0.20	11/21/2023

Batch R339605 **SampType:** MS Units **mg/L**
SampID: 23111660-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.8	85	115	11/21/2023

Batch R339605 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111660-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	104.6	0.5140	1.74	11/21/2023

Batch R340237 **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	12/07/2023
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	12/07/2023

Teklab, Inc.
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Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch R340237 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	100.2	90	110	12/07/2023
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	100.2	90	110	12/07/2023

Batch R340237 **SampType:** MS Units **mg/L**
SampID: 23120530-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.59**	0.5000	0.08400	100.8	85	115	12/07/2023

Batch R340237 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120530-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.59**	0.5000	0.08400	101.0	0.5880	0.17	12/07/2023

Batch R340237 **SampType:** MS Units **mg/L**
SampID: 23120623-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	103.8	85	115	12/07/2023

Batch R340237 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120623-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.8	0.5190	2.93	12/07/2023

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

Batch R339342 **SampType:** MS Units **mg/L**
SampID: 23110002-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.299**	0.2500	0.05700	96.8	85	115	11/15/2023

Batch R339342 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.311**	0.2500	0.05700	101.6	0.2990	3.93	11/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch R339342 **SampType:** MS Units **mg/L**
SampID: 23110002-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.308**	0.2500	0.05700	100.4	85	115	11/15/2023

Batch R339342 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.310**	0.2500	0.05700	101.2	0.3080	0.65	11/15/2023

Batch R339342 **SampType:** MS Units **mg/L**
SampID: 23110394-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.235**	0.2500	0	94.0	85	115	11/15/2023

Batch R339342 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110394-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.230**	0.2500	0	92.0	0.2350	2.15	11/15/2023

Batch R339342 **SampType:** MS Units **mg/L**
SampID: 23111131-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.213**	0.2500	0	85.2	85	115	11/15/2023

Batch R339342 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111131-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	R	**0.240**	0.2500	0	96.0	0.2130	11.92	11/15/2023

Batch R339385 **SampType:** MS Units **mg/L**
SampID: 23110002-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.16**	0.5000	0.6630	99.2	85	115	11/16/2023

Batch R339385 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	S	**1.09**	0.5000	0.6630	84.6	1.159	6.50	11/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch R339385 **SampType:** MS Units **mg/L**
SampID: 23110002-096BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.87**	0.5000	1.375	99.6	85	115	11/16/2023

Batch R339385 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-096BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.90**	0.5000	1.375	105.8	1.873	1.64	11/16/2023

Batch R339482 **SampType:** DUP Units **mg/L** RPD Limit **0**
SampID: 23110323-010BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate (as N)		0.250	H	**< 0.250**				0	0.00	11/17/2023
Nitrogen, Nitrate-Nitrite (as N)		0.250	H	**1.82**				1.824	0.49	11/17/2023

Batch R340414 **SampType:** MS Units **mg/L**
SampID: 23120718-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	EH	**20.3**	5.000	15.44	97.1	90	110	12/11/2023

Batch R340414 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120718-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	EH	**20.6**	5.000	15.44	103.3	20.29	1.51	12/11/2023

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

Batch R339342 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						11/15/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	11/15/2023

Batch R339342 **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		**0.508**	0.5000	0	101.6	90	110	11/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch R339342 **SampType:** MS Units **mg/L**
SampID: 23110751-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.30**	0.5000	1.772	105.0	90	110	11/15/2023

Batch R339342 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110751-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.30**	0.5000	1.772	106.2	2.297	0.26	11/15/2023

Batch R339342 **SampType:** MS Units **mg/Kg-dry**
SampID: 23111071-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.02		**7.49**	5.086	2.482	98.4	85	115	11/15/2023

Batch R339342 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **10**
SampID: 23111071-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.02		**7.65**	5.086	2.482	101.6	7.486	2.15	11/15/2023

Batch R339342 **SampType:** MS Units **mg/L**
SampID: 23111083-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**34.6**	12.50	21.49	104.9	90	110	11/15/2023

Batch R339342 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111083-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**34.9**	12.50	21.49	106.9	34.60	0.74	11/15/2023

Batch R339342 **SampType:** MS Units **mg/L**
SampID: 23111147-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.265**	0.2500	0.02400	96.4	85	115	11/15/2023

Batch R339342 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111147-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.265**	0.2500	0.02400	96.4	0.2650	0.00	11/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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

Batch R339342 **SampType:** MS Units **mg/L**
SampID: 23111147-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.236**	0.2500	0	94.4	85	115	11/15/2023

Batch R339342 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111147-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.238**	0.2500	0	95.2	0.2360	0.84	11/15/2023

Batch R339342 **SampType:** MS Units **mg/L**
SampID: 23111182-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.241**	0.2500	0.01100	92.0	90	110	11/15/2023

Batch R339342 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111182-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.230**	0.2500	0.01100	87.6	0.2410	4.67	11/15/2023

Batch R339342 **SampType:** MS Units **mg/L**
SampID: 23111182-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.235**	0.2500	0	94.0	90	110	11/15/2023

Batch R339342 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111182-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.236**	0.2500	0	94.4	0.2350	0.42	11/15/2023

Batch R339385 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						11/16/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	11/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch R339385 **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		**0.528**	0.5000	0	105.6	90	110	11/16/2023

Batch R339385 **SampType:** MS Units **mg/L**
SampID: 23111153-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**2.84**	2.500	0.1460	107.8	90	110	11/16/2023

Batch R339385 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111153-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**2.67**	2.500	0.1460	100.8	2.840	6.28	11/16/2023

Batch R339385 **SampType:** MS Units **mg/L**
SampID: 23111220-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.748**	0.2500	0.4880	104.0	90	110	11/16/2023

Batch R339385 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111220-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.746**	0.2500	0.4880	103.2	0.7480	0.27	11/16/2023

Batch R339385 **SampType:** MS Units **mg/L**
SampID: 23111249-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.206**	0.2500	0	82.4	85	115	11/16/2023

Batch R339385 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111249-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	R	**0.244**	0.2500	0	97.6	0.2060	16.89	11/16/2023

Batch R339385 **SampType:** MS Units **mg/L**
SampID: 23111251-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.229**	0.2500	0	91.6	85	115	11/16/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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Batch R339385 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 23111251-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.243**	0.2500	0	97.2	0.2290	5.93	11/16/2023

Batch R339385 **SampType:** MS Units **mg/L**

SampID: 23111255-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.264**	0.2500	0	105.6	85	115	11/16/2023

Batch R339385 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 23111255-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.267**	0.2500	0	106.8	0.2640	1.13	11/16/2023

Batch R339482 **SampType:** MBLK Units **mg/L**

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						11/17/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	11/17/2023

Batch R339482 **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		**0.526**	0.5000	0	105.2	90	110	11/17/2023

Batch R339482 **SampType:** MS Units **mg/L**

SampID: 23111212-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.34**	5.000	4.499	96.8	90	110	11/17/2023

Batch R339482 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 23111212-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.55**	5.000	4.499	101.0	9.340	2.20	11/17/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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Batch R339482 **SampType:** MS Units **mg/L**
SampID: 23111356-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.230**	0.2500	0	92.0	85	115	11/17/2023

Batch R339482 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111356-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.231**	0.2500	0	92.4	0.2300	0.43	11/17/2023

Batch R339482 **SampType:** MS Units **mg/L**
SampID: 23111364-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.226**	0.2500	0	90.4	85	115	11/17/2023

Batch R339482 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111364-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.234**	0.2500	0	93.6	0.2260	3.48	11/17/2023

Batch R339574 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						11/21/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	11/21/2023

Batch R339574 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.495**	0.5000	0	99.0	90	110	11/21/2023

Batch R339574 **SampType:** MS Units **mg/L**
SampID: 23110002-074AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.177**	0.2500	0.02100	62.4	85	115	11/21/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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Batch R339574 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-074AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.177**	0.2500	0.02100	62.4	0.1770	0.00	11/21/2023

Batch R339574 **SampType:** MS Units **mg/L**
SampID: 23110002-080AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.280**	0.2500	0.03200	99.2	85	115	11/21/2023

Batch R339574 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-080AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.286**	0.2500	0.03200	101.6	0.2800	2.12	11/21/2023

Batch R339574 **SampType:** MS Units **mg/L**
SampID: 23111443-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.677**	0.2500	0.4150	104.8	90	110	11/21/2023

Batch R339574 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111443-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.685**	0.2500	0.4150	108.0	0.6770	1.17	11/21/2023

Batch R339574 **SampType:** MS Units **mg/L**
SampID: 23111488-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.04**	1.250	1.690	107.8	90	110	11/21/2023

Batch R339574 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111488-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.98**	1.250	1.690	103.1	3.037	1.93	11/21/2023

Batch R339574 **SampType:** MS Units **mg/L**
SampID: 23111625-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**13.7**	5.000	8.978	95.0	90	110	11/21/2023

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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Batch R339574 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111625-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**14.2**	5.000	8.978	104.7	13.73	3.47	11/21/2023

Batch R339574 **SampType:** MS Units **mg/L**
SampID: 23111660-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.320**	0.2500	0.07400	98.4	90	110	11/21/2023

Batch R339574 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111660-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.319**	0.2500	0.07400	98.0	0.3200	0.31	11/21/2023

Batch R339574 **SampType:** MS Units **mg/L**
SampID: 23111667-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.448**	0.2500	0.1800	107.2	90	110	11/21/2023

Batch R339574 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111667-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.448**	0.2500	0.1800	107.2	0.4480	0.00	11/21/2023

Batch R339708 **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	11/22/2023

Batch R339708 **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		**0.491**	0.5000	0	98.2	90	110	11/22/2023

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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Batch R340414 **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**						12/11/2023
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	12/11/2023

Batch R340414 **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	12/11/2023

Batch R340414 **SampType:** MS Units **mg/L**
SampID: 23120389-001KMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**21.7**	5.000	16.22	109.9	90	110	12/11/2023

Batch R340414 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120389-001KMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**21.2**	5.000	16.22	100.6	21.71	2.18	12/11/2023

Batch R340414 **SampType:** MS Units **mg/L**
SampID: 23120455-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.56**	1.250	1.315	99.8	90	110	12/11/2023

Batch R340414 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120455-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.57**	1.250	1.315	100.1	2.563	0.12	12/11/2023

Batch R340414 **SampType:** MS Units **mg/L**
SampID: 23120598-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.252**	0.2500	0	100.8	90	110	12/11/2023

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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Batch R340414 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120598-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.253**	0.2500	0	101.2	0.2520	0.40	12/11/2023

Batch R340414 **SampType:** MS Units **mg/L**
SampID: 23120607-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**13.2**	5.000	8.018	104.5	90	110	12/11/2023

Batch R340414 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120607-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**13.2**	5.000	8.018	104.5	13.24	0.02	12/11/2023

Batch R340414 **SampType:** MS Units **mg/L**
SampID: 23120635-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250	S	**3.91**	1.250	2.508	112.4	90	110	12/11/2023

Batch R340414 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120635-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250	S	**3.90**	1.250	2.508	111.3	3.913	0.36	12/11/2023

Batch R340414 **SampType:** MS Units **mg/L**
SampID: 23120637-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		10.0		**102**	50.00	53.26	98.2	90	110	12/11/2023

Batch R340414 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120637-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		10.0		**104**	50.00	53.26	102.2	102.4	1.90	12/11/2023

Batch R340414 **SampType:** MS Units **mg/L**
SampID: 23120674-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50	H	**26.6**	12.50	13.65	103.8	90	110	12/11/2023

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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Batch R340414 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120674-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50	H	**26.4**	12.50	13.65	102.0	26.63	0.88	12/11/2023

Batch R340414 **SampType:** MS Units **mg/L**
SampID: 23120735-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**11.6**	5.000	6.287	105.5	90	110	12/11/2023

Batch R340414 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120735-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**11.6**	5.000	6.287	106.3	11.56	0.35	12/11/2023

Batch R340414 **SampType:** MS Units **mg/L**
SampID: 23120746-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.20**	1.250	1.980	97.8	90	110	12/11/2023

Batch R340414 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120746-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.25**	1.250	1.980	101.7	3.202	1.52	12/11/2023

Batch R340414 **SampType:** MS Units **mg/L**
SampID: 23120809-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**32.5**	12.50	19.96	100.4	90	110	12/11/2023

Batch R340414 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120809-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**32.5**	12.50	19.96	100.4	32.52	0.01	12/11/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

STANDARD METHODS 5210 B 2001, 2011

Batch 214780 **SampType:** LCS Units **mg/L**
SampID: LCS-BOD-1-111623

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Biochemical Oxygen Demand		100		**210**	198.0	0	106.1	84.6	115.4	11/16/2023

Batch 214780 **SampType:** DUP Units **mg/L** RPD Limit **40**
SampID: 23111220-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand		10		**200**				196.0	2.02	11/16/2023

Batch 214780 **SampType:** DUP Units **mg/L** RPD Limit **40**
SampID: 23111271-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand		10		**< 10**				0	0.00	11/16/2023

Batch 214994 **SampType:** LCS Units **mg/L**
SampID: LCS-BOD-2-112123

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Biochemical Oxygen Demand		100		**182**	198.0	0	91.9	84.6	115.4	11/21/2023

Batch 214994 **SampType:** DUP Units **mg/L** RPD Limit **40**
SampID: 23110002-102EDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand		10		**< 10**				0	0.00	11/21/2023

Batch 214994 **SampType:** DUP Units **mg/L** RPD Limit **40**
SampID: 23111685-001CDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand		50		**370**				420.0	12.66	11/21/2023

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R339506 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**< 50**	17.00	0	0	-100	100	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R339506 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**119**	109.4	0	108.4	90	110	11/20/2023

Batch R339506 **SampType:** MS Units **mg/L**
SampID: 23110389-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1070**	1000	0	106.6	90	110	11/20/2023

Batch R339506 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110389-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1050**	1000	0	105.2	1066	1.28	11/20/2023

Batch R339506 **SampType:** MS Units **mg/L**
SampID: 23111176-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1110**	1000	59.77	105.1	90	110	11/20/2023

Batch R339506 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111176-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1080**	1000	59.77	102.4	1111	2.47	11/20/2023

Batch R339506 **SampType:** MS Units **mg/L**
SampID: 23111282-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1500**	1000	437.8	105.8	90	110	11/20/2023

Batch R339506 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111282-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1470**	1000	437.8	103.1	1496	1.83	11/20/2023

Batch R339725 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**< 50**	17.00	0	0	-100	100	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R339725 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		50		**106**	109.4	0	96.8	90	110	11/27/2023

Batch R339725 **SampType:** MS Units **mg/L**
SampID: 23111508-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1080**	1000	0	108.0	90	110	11/27/2023

Batch R339725 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111508-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1060**	1000	0	106.3	1080	1.59	11/27/2023

Batch R339725 **SampType:** MS Units **mg/L**
SampID: 23111700-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1080**	1000	18.65	106.1	90	110	11/27/2023

Batch R339725 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111700-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1080**	1000	18.65	106.6	1080	0.39	11/27/2023

Batch R339725 **SampType:** MS Units **mg/L**
SampID: 23111700-006DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1060**	1000	0	105.9	90	110	11/27/2023

Batch R339725 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111700-006DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1050**	1000	0	105.0	1059	0.81	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 7196A

Batch R339417 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**< 0.0010**	0.0004	0	0	-100	100	11/17/2023

Batch R339417 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0505**	0.0500	0	101.0	90	110	11/17/2023

Batch R339417 **SampType:** MS Units **µg/L**
SampID: 23110002-085DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		10.0		**517**	500.0	13.00	100.8	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111267-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent	*	0.0050		**0.2325**	0.2500	0.003000	91.8	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111268-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent	*	0.0050		**0.2475**	0.2500	0	99.0	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111341-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0496**	0.0500	0	99.2	85	115	11/17/2023

Batch R339417 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111341-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0514**	0.0500	0	102.8	0.04960	3.56	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111360-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0492**	0.0500	0	98.4	85	115	11/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 7196A

Batch R339417 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111360-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0487**	0.0500	0	97.4	0.04920	1.02	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111360-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0486**	0.0500	0	97.2	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111360-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010	S	**0.0361**	0.0500	0	72.2	85	115	11/17/2023
Chromium, Hexavalent		0.0100		**0.4780**	0.5000	0	95.6	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111360-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0494**	0.0500	0.001700	95.4	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111360-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0507**	0.0500	0.001500	98.4	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111360-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0473**	0.0500	0	94.6	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111360-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0463**	0.0500	0	92.6	85	115	11/17/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

SW-846 7196A

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111360-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0491**	0.0500	0	98.2	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111360-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0502**	0.0500	0.001200	98.0	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111362-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0486**	0.0500	0	97.2	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111362-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0100		**0.5320**	0.5000	0	106.4	85	115	11/17/2023
Chromium, Hexavalent		0.0010	S	**0.0356**	0.0500	0	71.2	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111362-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.1098**	0.0500	0.05730	105.0	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111362-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0495**	0.0500	0	99.0	85	115	11/17/2023

Batch R339417 **SampType:** MS Units **mg/L**
SampID: 23111362-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0509**	0.0500	0	101.8	85	115	11/17/2023

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 7196A

Batch R339542 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**< 0.0010**	0.0004	0	0	-100	100	11/20/2023

Batch R339542 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0490**	0.0500	0	98.0	90	110	11/20/2023

Batch R339542 **SampType:** MS Units **µg/L**
SampID: 23110002-102DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		1.00		**49.1**	50.00	0	98.2	85	115	11/21/2023

Batch R339542 **SampType:** MS Units **mg/L**
SampID: 23111497-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0486**	0.0500	0	97.2	85	115	11/20/2023

Batch R339542 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111497-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0503**	0.0500	0	100.6	0.04860	3.44	11/20/2023

Batch R339542 **SampType:** MS Units **mg/L**
SampID: 23111531-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0050		**0.2410**	0.2500	0	96.4	85	115	11/20/2023

Batch R339542 **SampType:** MS Units **mg/L**
SampID: 23111653-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0462**	0.0500	0.001900	88.6	85	115	11/21/2023

Batch R339542 **SampType:** MS Units **mg/L**
SampID: 23111662-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0514**	0.0500	0	102.8	85	115	11/21/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

SW-846 7196A

Batch R339542 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 23111662-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0532**	0.0500	0	106.4	0.05140	3.44	11/21/2023

SW-846 9012A (TOTAL)

Batch 214815 **SampType:** MBLK Units **mg/L**

SampID: MBLK 231116 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/17/2023

Batch 214815 **SampType:** LCS Units **mg/L**

SampID: LCS2 231116 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.6	90	110	11/17/2023

Batch 214879 **SampType:** MBLK Units **mg/L**

SampID: MBLK 231117 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/20/2023

Batch 214879 **SampType:** LCS Units **mg/L**

SampID: LCS 231117 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	102.2	85	115	11/20/2023

Batch 214879 **SampType:** MS Units **mg/L**

SampID: 23110002-015DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.5	75	125	11/20/2023

Batch 214879 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 23110002-015DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.8	0.02488	0.71	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9012A (TOTAL)

Batch 214879 **SampType:** MS Units **mg/L**
SampID: 23111147-002HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.6	75	125	11/20/2023

Batch 214879 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111147-002HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.7	0.02540	0.14	11/20/2023

Batch 214879 **SampType:** MS Units **mg/L**
SampID: 23111147-009EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.0	75	125	11/20/2023

Batch 214879 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111147-009EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	97.7	0.02524	3.28	11/20/2023

Batch 214879 **SampType:** MS Units **mg/L**
SampID: 23111147-012EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.8	75	125	11/20/2023

Batch 214879 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111147-012EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	102.3	0.02596	1.51	11/20/2023

Batch 214880 **SampType:** MBLK Units **mg/L**
SampID: MBLK 231117 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/20/2023

Batch 214880 **SampType:** LCS Units **mg/L**
SampID: LCS 231117 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.8	90	110	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9012A (TOTAL)

Batch 214880 **SampType:** MS Units **mg/L**
SampID: 23110002-027EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.8	75	125	11/20/2023

Batch 214880 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-027EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	95.6	0.02496	4.32	11/20/2023

Batch 214948 **SampType:** MBLK Units **mg/L**
SampID: MBLK 231120 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/21/2023

Batch 214948 **SampType:** LCS Units **mg/L**
SampID: LCS 231120 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.6	90	110	11/21/2023

Batch 214948 **SampType:** MS Units **mg/L**
SampID: 23110002-038EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.020**	0.0250	0	80.9	75	125	11/21/2023

Batch 214948 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-038EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	90.9	0.02022	11.71	11/21/2023

Batch 214948 **SampType:** MS Units **mg/L**
SampID: 23110002-091EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	105.4	75	125	11/21/2023

Batch 214948 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-091EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0	110.6	0.02634	4.89	11/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9012A (TOTAL)

Batch 215079 **SampType:** MBLK Units **mg/L**
SampID: MBLK 231122 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/27/2023

Batch 215079 **SampType:** LCS Units **mg/L**
SampID: LCS 231122 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	96.5	90	110	11/27/2023

Batch 215079 **SampType:** MS Units **mg/L**
SampID: 23111474-003HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0.002495	92.8	75	125	11/27/2023

Batch 215079 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111474-003HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.030**	0.0250	0.002495	108.0	0.02570	13.80	11/27/2023

Batch 215079 **SampType:** MS Units **mg/L**
SampID: 23111497-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.145**	0.1250	0.01730	102.1	90	110	11/27/2023

Batch 215079 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111497-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.143**	0.1250	0.01730	100.5	0.1450	1.39	11/27/2023

Batch 215081 **SampType:** MBLK Units **mg/L**
SampID: MBLK 231122 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/27/2023

Batch 215081 **SampType:** LCS Units **mg/L**
SampID: LCS 231122 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.7	85	115	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9012A (TOTAL)

Batch 215081 **SampType:** MS Units **mg/L**
SampID: 23110002-074DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.022**	0.0250	0	86.7	75	125	11/27/2023

Batch 215081 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-074DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	92.5	0.02168	6.41	11/27/2023

Batch 215150 **SampType:** MBLK Units **mg/L**
SampID: MBLK 231127 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/29/2023

Batch 215150 **SampType:** LCS Units **mg/L**
SampID: LCS 231127 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	108.1	90	110	11/29/2023

Batch 215150 **SampType:** MS Units **mg/L**
SampID: 23111697-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.138**	0.1250	0.01408	99.4	90	110	11/29/2023

Batch 215150 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111697-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.138**	0.1250	0.01408	99.4	0.1384	0.00	11/29/2023

Batch 215150 **SampType:** MS Units **mg/L**
SampID: 23111830-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.152**	0.1250	0.01910	106.2	90	110	11/29/2023

Batch 215150 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111830-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.139**	0.1250	0.01910	96.1	0.1519	8.67	11/29/2023

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9012A (TOTAL)

Batch 215151 **SampType:** MBLK Units **mg/L**
SampID: MBLK 231127 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/29/2023

Batch 215151 **SampType:** LCS Units **mg/L**
SampID: LCS 231127 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.0	90	110	11/29/2023

Batch 215151 **SampType:** MS Units **mg/L**
SampID: 23110002-081DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	102.3	75	125	11/29/2023

Batch 215151 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-081DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.3	0.02558	0.99	11/29/2023

Batch 215200 **SampType:** MBLK Units **mg/L**
SampID: MBLK 231128 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/29/2023

Batch 215200 **SampType:** LCS Units **mg/L**
SampID: LCS 231128 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	107.2	90	110	11/29/2023

Batch 215200 **SampType:** MS Units **mg/L**
SampID: 23110002-102IMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	107.7	75	125	11/29/2023

Batch 215200 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-102IMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	106.9	0.02692	0.69	11/29/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

SW-846 9012A (TOTAL)

Batch 215754 **SampType:** MBLK Units **mg/L**
SampID: MBLK 231208 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	12/11/2023

Batch 215754 **SampType:** LCS Units **mg/L**
SampID: LCS 231208 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.4	90	110	12/11/2023

Batch 215754 **SampType:** MS Units **mg/L**
SampID: 23120571-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.137**	0.1250	0.02078	92.7	90	110	12/11/2023

Batch 215754 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120571-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.142**	0.1250	0.02078	96.9	0.1367	3.72	12/11/2023

Batch 215754 **SampType:** MS Units **µg/L**
SampID: 23120603-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		5.00		**26.1**	25.00	0	104.2	90	110	12/11/2023

Batch 215754 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 23120603-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		5.00		**27.0**	25.00	0	107.8	26.06	3.38	12/11/2023

SW-846 9036 (DISSOLVED)

Batch R339393 **SampType:** MS Units **mg/L**
SampID: 23110002-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**308**	200.0	137.5	85.4	85	115	11/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9036 (DISSOLVED)

Batch R339393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**317**	200.0	137.5	89.7	308.2	2.74	11/16/2023

Batch R339502 **SampType:** MS Units **mg/L**
SampID: 23110002-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	E	**50**	20.00	31.98	90.4	85	115	11/17/2023

Batch R339502 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**50**	20.00	31.98	90.0	50.06	0.16	11/17/2023

Batch R339502 **SampType:** MS Units **mg/L**
SampID: 23110002-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**299**	200.0	122.8	88.2	85	115	11/17/2023

Batch R339502 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**297**	200.0	122.8	86.9	299.2	0.86	11/17/2023

Batch R339502 **SampType:** MS Units **mg/L**
SampID: 23110002-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**192**	100.0	96.21	96.3	85	115	11/17/2023

Batch R339502 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**198**	100.0	96.21	101.9	192.5	2.91	11/17/2023

Batch R339502 **SampType:** MS Units **mg/L**
SampID: 23111131-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**292**	200.0	115.0	88.5	85	115	11/18/2023

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9036 (DISSOLVED)

Batch R339502 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111131-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**289**	200.0	115.0	87.1	292.1	0.96	11/18/2023

Batch R339808 **SampType:** MS Units **mg/L**
SampID: 23110002-046BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**449**	200.0	269.9	89.8	85	115	11/28/2023

Batch R339808 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-046BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**442**	200.0	269.9	86.1	449.4	1.66	11/28/2023

Batch R339808 **SampType:** MS Units **mg/L**
SampID: 23110002-050BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**154**	100.0	55.48	98.2	85	115	11/28/2023

Batch R339808 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-050BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**155**	100.0	55.48	99.4	153.7	0.76	11/28/2023

Batch R339891 **SampType:** MS Units **mg/L**
SampID: 23110002-040BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**602**	400.0	227.8	93.6	85	115	11/29/2023

Batch R339891 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-040BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**607**	400.0	227.8	94.8	602.2	0.83	11/29/2023

Batch R340657 **SampType:** MS Units **mg/L**
SampID: 23121193-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	E	**103**	40.00	65.84	92.9	85	115	12/15/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

SW-846 9036 (DISSOLVED)

Batch R340657 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23121193-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**100**	40.00	65.84	86.3	103.0	2.61	12/15/2023

Batch R340912 **SampType:** MS Units **mg/L**
SampID: 23121192-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		1000		**3990**	2000	2197	89.7	85	115	12/19/2023

Batch R340912 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23121192-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		1000		**4000**	2000	2197	89.9	3992	0.10	12/19/2023

SW-846 9036 (TOTAL)

Batch R339393 **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	11/16/2023

Batch R339393 **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	92.6	90	110	11/16/2023

Batch R339393 **SampType:** MS Units **mg/L**
SampID: 23110002-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**315**	200.0	136.3	89.2	85	115	11/17/2023

Batch R339393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**315**	200.0	136.3	89.2	314.8	0.03	11/17/2023

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9036 (TOTAL)

Batch R339393 **SampType:** MS Units **mg/L**
SampID: 23110858-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**88**	40.00	47.08	101.7	85	115	11/16/2023

Batch R339393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110858-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**86**	40.00	47.08	97.0	87.77	2.17	11/16/2023

Batch R339393 **SampType:** MS Units **mg/L**
SampID: 23110866-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		5000	S	**14200**	10000	6190	79.9	90	110	11/16/2023

Batch R339393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110866-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		5000	S	**14200**	10000	6190	80.1	14180	0.12	11/16/2023

Batch R339393 **SampType:** MS Units **mg/L**
SampID: 23110925-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**311**	200.0	123.0	94.1	85	115	11/16/2023

Batch R339393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110925-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100	R	**351**	200.0	123.0	114.2	311.1	12.14	11/16/2023

Batch R339393 **SampType:** MS Units **mg/L**
SampID: 23110933-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**181**	100.0	86.34	95.0	85	115	11/16/2023

Batch R339393 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110933-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**181**	100.0	86.34	94.5	181.3	0.24	11/16/2023

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9036 (TOTAL)

Batch R339502 **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	11/17/2023

Batch R339502 **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	93.2	90	110	11/17/2023

Batch R339502 **SampType:** MS Units **mg/L**
SampID: 23110002-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**307**	200.0	131.8	87.6	85	115	11/18/2023

Batch R339502 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**306**	200.0	131.8	87.0	307.0	0.39	11/18/2023

Batch R339502 **SampType:** MS Units **mg/L**
SampID: 23111147-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**330**	200.0	150.4	89.9	85	115	11/17/2023

Batch R339502 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111147-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**335**	200.0	150.4	92.3	330.3	1.42	11/17/2023

Batch R339502 **SampType:** MS Units **mg/L**
SampID: 23111182-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	SE	**53**	20.00	35.92	83.0	90	110	11/17/2023

Batch R339502 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111182-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	E	**55**	20.00	35.92	95.9	52.53	4.78	11/17/2023

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Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

SW-846 9036 (TOTAL)

Batch R339502 **SampType:** MS Units **mg/L**
SampID: 23111226-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**76**	40.00	37.77	95.5	90	110	11/17/2023

Batch R339502 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111226-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**80**	40.00	37.77	106.7	75.97	5.74	11/17/2023

Batch R339808 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	11/28/2023

Batch R339808 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**22**	20.00	0	108.4	90	110	11/28/2023

Batch R339808 **SampType:** MS Units **mg/L**
SampID: 23110002-030AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	SE	**106**	40.00	81.72	61.4	85	115	11/28/2023

Batch R339808 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-030AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	SE	**107**	40.00	81.72	63.3	106.3	0.70	11/28/2023

Batch R339808 **SampType:** MS Units **mg/L**
SampID: 23110002-037AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**794**	400.0	427.3	91.7	85	115	11/29/2023

Batch R339808 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-037AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**813**	400.0	427.3	96.4	794.2	2.33	11/29/2023

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9036 (TOTAL)

Batch R339808 **SampType:** MS Units **mg/L**
SampID: 23110002-050AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**293**	200.0	113.1	90.2	85	115	11/29/2023

Batch R339808 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-050AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**295**	200.0	113.1	90.8	293.5	0.44	11/29/2023

Batch R339808 **SampType:** MS Units **mg/L**
SampID: 23111432-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**46**	20.00	25.09	105.6	85	115	11/28/2023

Batch R339808 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111432-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**44**	20.00	25.09	92.8	46.20	5.68	11/28/2023

Batch R339891 **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	11/29/2023

Batch R339891 **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	11/29/2023

Batch R339891 **SampType:** MS Units **mg/L**
SampID: 23110002-042AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**719**	400.0	333.4	96.4	85	115	11/29/2023

Batch R339891 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110002-042AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**724**	400.0	333.4	97.7	718.9	0.72	11/29/2023

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Client: Ramboll
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Client Project: COF-23Q4
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SW-846 9036 (TOTAL)

Batch R339891 **SampType:** MS Units **mg/L**
SampID: 23111606-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**292**	200.0	116.3	87.8	85	115	11/29/2023

Batch R339891 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111606-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**293**	200.0	116.3	88.6	291.8	0.56	11/29/2023

Batch R340009 **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	12/01/2023

Batch R340009 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.5	90	110	12/01/2023

Batch R340009 **SampType:** MS Units **mg/L**
SampID: 23110440-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**192**	100.0	91.92	100.2	85	115	12/01/2023

Batch R340009 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110440-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**188**	100.0	91.92	95.7	192.1	2.34	12/01/2023

Batch R340009 **SampType:** MS Units **mg/L**
SampID: 23111685-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**370**	200.0	176.4	96.8	90	110	12/01/2023

Batch R340009 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111685-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**369**	200.0	176.4	96.3	370.1	0.26	12/01/2023

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Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
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SW-846 9036 (TOTAL)

Batch R340009 **SampType:** MS Units **mg/L**
SampID: 23111785-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**42**	20.00	35.33	35.0	90	110	12/01/2023

Batch R340009 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111785-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**42**	20.00	35.33	33.1	42.32	0.88	12/01/2023

Batch R340009 **SampType:** MS Units **mg/L**
SampID: 23112066-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	S	**59**	40.00	23.04	88.7	90	110	12/01/2023

Batch R340009 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23112066-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**59**	40.00	23.04	90.2	58.51	1.00	12/01/2023

Batch R340009 **SampType:** MS Units **mg/L**
SampID: 23112078-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**316**	200.0	133.3	91.2	85	115	12/01/2023

Batch R340009 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23112078-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**319**	200.0	133.3	92.9	315.7	1.06	12/01/2023

Batch R340126 **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	12/05/2023

Batch R340126 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.0	90	110	12/05/2023

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Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
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Batch R340126 **SampType:** MS Units **mg/L**
SampID: 23112078-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**92**	40.00	53.68	94.8	85	115	12/05/2023

Batch R340126 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23112078-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**92**	40.00	53.68	96.7	91.58	0.84	12/05/2023

Batch R340126 **SampType:** MS Units **mg/L**
SampID: 23120036-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	94.3	90	110	12/05/2023

Batch R340126 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120036-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**19**	20.00	0	96.5	18.86	2.31	12/05/2023

Batch R340126 **SampType:** MS Units **mg/L**
SampID: 23120190-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**32**	20.00	14.61	85.0	85	115	12/05/2023

Batch R340126 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120190-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**32**	20.00	14.61	85.0	31.60	0.06	12/05/2023

Batch R340185 **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	12/06/2023

Batch R340185 **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		**21**	20.00	0	107.4	90	110	12/06/2023

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Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9036 (TOTAL)

Batch R340185 **SampType:** MS Units **mg/L**
SampID: 23112017-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**390**	200.0	207.1	91.7	85	115	12/06/2023

Batch R340185 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23112017-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**385**	200.0	207.1	88.9	390.5	1.43	12/06/2023

Batch R340185 **SampType:** MS Units **mg/L**
SampID: 23120088-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**625**	400.0	257.5	91.8	90	110	12/06/2023

Batch R340185 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120088-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**629**	400.0	257.5	92.8	624.8	0.61	12/06/2023

Batch R340185 **SampType:** MS Units **mg/L**
SampID: 23120202-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		1000		**3980**	2000	2009	98.8	90	110	12/06/2023

Batch R340185 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120202-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		1000		**3990**	2000	2009	99.2	3984	0.22	12/06/2023

Batch R340185 **SampType:** MS Units **mg/L**
SampID: 23120317-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**40**	20.00	22.03	91.4	85	115	12/06/2023

Batch R340185 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120317-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**41**	20.00	22.03	92.6	40.32	0.54	12/06/2023

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9036 (TOTAL)

Batch R340310 **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	12/08/2023

Batch R340310 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	94.6	90	110	12/08/2023

Batch R340310 **SampType:** MS Units **mg/L**
SampID: 23120389-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		1000		**3560**	2000	1754	90.5	90	110	12/08/2023

Batch R340310 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120389-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		1000		**3600**	2000	1754	92.4	3564	1.06	12/08/2023

Batch R340310 **SampType:** MS Units **mg/L**
SampID: 23120399-004CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**169**	100.0	72.67	96.0	90	110	12/08/2023

Batch R340310 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120399-004CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**163**	100.0	72.67	90.8	168.7	3.18	12/08/2023

Batch R340310 **SampType:** MS Units **mg/L**
SampID: 23120467-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	E	**102**	40.00	62.72	98.7	90	110	12/08/2023

Batch R340310 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120467-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**106**	40.00	62.72	108.6	102.2	3.79	12/08/2023

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Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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Batch R340310 **SampType:** MS Units **mg/L**
SampID: 23120486-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**99**	40.00	61.73	92.1	85	115	12/08/2023

Batch R340310 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120486-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**97**	40.00	61.73	89.3	98.56	1.14	12/08/2023

Batch R340310 **SampType:** MS Units **mg/L**
SampID: 23120623-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**97**	40.00	59.95	91.8	85	115	12/08/2023

Batch R340310 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120623-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**99**	40.00	59.95	96.5	96.67	1.91	12/08/2023

Batch R340379 **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	12/11/2023

Batch R340379 **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	90.7	90	110	12/11/2023

Batch R340379 **SampType:** MS Units **mg/L**
SampID: 23120602-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100	S	**333**	200.0	157.4	87.6	90	110	12/11/2023

Batch R340379 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120602-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100	S	**335**	200.0	157.4	88.9	332.6	0.75	12/11/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

SW-846 9036 (TOTAL)

Batch R340379 **SampType:** MS Units **mg/L**
SampID: 23120667-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**211**	100.0	117.2	93.8	85	115	12/11/2023

Batch R340379 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120667-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**206**	100.0	117.2	88.7	211.0	2.47	12/11/2023

Batch R340379 **SampType:** MS Units **mg/L**
SampID: 23120667-016BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	SE	**59**	20.00	45.61	66.3	85	115	12/11/2023

Batch R340379 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23120667-016BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	SE	**59**	20.00	45.61	66.7	58.87	0.14	12/11/2023

Batch R340657 **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	12/15/2023

Batch R340657 **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	92.8	90	110	12/15/2023

Batch R340657 **SampType:** MS Units **mg/L**
SampID: 23121094-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**713**	400.0	344.4	92.1	90	110	12/15/2023

Batch R340657 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23121094-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**714**	400.0	344.4	92.4	712.9	0.13	12/15/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9036 (TOTAL)

Batch R340912 **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	12/19/2023

Batch R340912 **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	98.5	90	110	12/19/2023

Batch R340912 **SampType:** MS Units **mg/L**
SampID: 23121293-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**235**	100.0	147.7	87.0	85	115	12/19/2023

Batch R340912 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23121293-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**240**	100.0	147.7	92.6	234.8	2.35	12/19/2023

SW-846 9060A

Batch R339588 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	11/21/2023

Batch R339588 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.2**	5.000	0	103.6	90	110	11/21/2023

Batch R339588 **SampType:** MS Units **mg/L**
SampID: 23110393-004GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		10.0		**72.5**	50.00	24.05	96.8	85	115	11/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9060A

Batch R339588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23110393-004GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		10.0		**72.3**	50.00	24.05	96.4	72.47	0.29	11/21/2023

Batch R339588 **SampType:** MS Units **mg/L**
SampID: 23111427-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.2**	5.000	1.230	98.6	85	115	11/21/2023

Batch R339588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111427-001DMSD

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	1.230	100.2	6.160	1.29	11/21/2023

Batch R339588 **SampType:** MS Units **mg/L**
SampID: 23111427-005DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.2**	5.000	1.300	98.0	85	115	11/21/2023

Batch R339588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111427-005DMSD

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	1.300	98.4	6.200	0.32	11/21/2023

Batch R339588 **SampType:** MS Units **mg/L**
SampID: 23111427-010DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.2**	5.000	1.340	96.8	85	115	11/21/2023

Batch R339588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111427-010DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.0**	5.000	1.340	94.0	6.180	2.29	11/21/2023

Batch R339588 **SampType:** MS Units **mg/L**
SampID: 23111427-020DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.8**	5.000	2.200	92.0	85	115	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9060A

Batch R339588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111427-020DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.8**	5.000	2.200	91.2	6.800	0.59	11/22/2023

Batch R339588 **SampType:** MS Units **mg/L**
SampID: 23111427-030DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.5**	5.000	2.030	89.6	85	115	11/22/2023

Batch R339588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111427-030DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.4**	5.000	2.030	88.4	6.510	0.93	11/22/2023

Batch R339588 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23111179-001BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.6**				5.650	0.53	11/21/2023

Batch R339588 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23111179-002BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.5**				5.640	3.24	11/21/2023

Batch R339792 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	11/27/2023

Batch R339792 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.2**	5.000	0	103.4	90	110	11/27/2023

Batch R339792 **SampType:** DUP Units **mg/L** RPD Limit
SampID: 23111238-001GDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		50.0		**62.4**						11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9060A

Batch R339961 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**< 1.0**	0.4500	0	0	-100	100	11/30/2023

Batch R339961 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**4.9**	5.000	0	98.6	90	110	11/30/2023

Batch R339961 **SampType:** MS Units **mg/L**
SampID: 23111427-035DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.2**	5.000	1.190	100.6	85	115	11/30/2023

Batch R339961 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111427-035DMSD

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	1.190	101.2	6.220	0.48	11/30/2023

Batch R339961 **SampType:** MS Units **mg/L**
SampID: 23111427-040DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**7.1**	5.000	2.430	93.8	85	115	11/30/2023

Batch R339961 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111427-040DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**7.1**	5.000	2.430	92.8	7.120	0.70	11/30/2023

Batch R339961 **SampType:** MS Units **mg/L**
SampID: 23111475-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**8.6**	5.000	3.830	94.4	85	115	11/30/2023

Batch R339961 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111475-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**8.6**	5.000	3.830	95.0	8.550	0.35	11/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9060A

Batch R339961 **SampType:** MS Units **mg/L**
SampID: 23111475-010CMS

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	1.140	98.0	85	115	11/30/2023

Batch R339961 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 23111475-010CMSD

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	1.140	95.8	6.040	1.84	11/30/2023

Batch R339961 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 23110941-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		2.0		**5.3**				5.470	3.35	11/30/2023

SW-846 9066 (TOTAL)

Batch R339615 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	11/21/2023

Batch R339615 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.051**	0.0500	0	102.6	90	110	11/21/2023

Batch R339615 **SampType:** MS Units **µg/L**
SampID: 23110002-030FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5	SE	**114**	50.00	14.02	200.6	85	115	11/21/2023

Batch R339615 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 23110002-030FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5	SE	**108**	50.00	14.02	188.9	114.3	5.26	11/21/2023

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9066 (TOTAL)

Batch R339615 **SampType:** MS Units **mg/L**
SampID: 23111267-002FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.083**	0.0500	0.01917	127.7	90	110	11/21/2023

Batch R339615 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111267-002FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.086**	0.0500	0.01917	133.1	0.08304	3.18	11/21/2023

Batch R339615 **SampType:** MS Units **mg/L**
SampID: 23111268-002EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.053**	0.0500	0	106.4	90	110	11/21/2023

Batch R339615 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111268-002EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.052**	0.0500	0	103.6	0.05322	2.67	11/21/2023

Batch R339615 **SampType:** MS Units **mg/L**
SampID: 23111494-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.056**	0.0500	0	111.5	90	110	11/21/2023

Batch R339615 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111494-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.057**	0.0500	0	113.7	0.05575	1.97	11/21/2023

Batch R339857 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	11/29/2023

Batch R339857 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.052**	0.0500	0	103.1	90	110	11/29/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9066 (TOTAL)

Batch R339857 **SampType:** MS Units **mg/L**
SampID: 23111728-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.069**	0.0500	0.003490	130.5	90	110	11/29/2023

Batch R339857 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111728-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.060**	0.0500	0.003490	112.5	0.06873	13.98	11/29/2023

Batch R339857 **SampType:** MS Units **mg/L**
SampID: 23111799-014AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.052**	0.0500	0	104.3	90	110	11/29/2023

Batch R339857 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111799-014AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0	108.4	0.05214	3.87	11/29/2023

Batch R339857 **SampType:** MS Units **mg/L**
SampID: 23111826-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.059**	0.0500	0.003130	112.4	90	110	11/29/2023

Batch R339857 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111826-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.065**	0.0500	0.003130	123.7	0.05934	9.04	11/29/2023

Batch R339857 **SampType:** MS Units **mg/L**
SampID: 23111951-003EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.025	E	**0.509**	0.2500	0.2394	108.0	90	110	11/29/2023

Batch R339857 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111951-003EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.025	E	**0.503**	0.2500	0.2394	105.5	0.5094	1.24	11/29/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

SW-846 9214 (DISSOLVED)

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23110002-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.58**	2.000	0.3230	112.8	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.51**	2.000	0.3230	109.3	2.580	2.79	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23110002-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.49**	2.000	0.3850	105.2	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.50**	2.000	0.3850	105.7	2.489	0.40	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23110002-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.2130	103.7	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.2130	105.2	2.287	1.30	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23110002-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.78**	2.000	0.5970	109.1	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-019BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.75**	2.000	0.5970	107.4	2.779	1.19	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9214 (DISSOLVED)

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23110002-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.61**	2.000	0.4300	109.0	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.76**	2.000	0.4300	116.8	2.610	5.77	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23110002-034BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.44**	2.000	0.3820	103.0	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-034BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.46**	2.000	0.3820	103.6	2.442	0.53	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23110002-046BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.48**	2.000	0.3630	105.6	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-046BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.3630	104.4	2.476	1.06	11/27/2023

SW-846 9214 (TOTAL)

Batch R339717 **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	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9214 (TOTAL)

Batch R339717 **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		**0.93**	1.000	0	92.7	90	110	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23110002-036AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.34**	2.000	0.3500	99.6	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-036AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.39**	2.000	0.3500	102.0	2.342	2.03	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23110002-048AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.19**	2.000	0.2810	95.6	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-048AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.20**	2.000	0.2810	95.9	2.193	0.27	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23111262-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**3.38**	2.000	1.104	114.1	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111262-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**3.27**	2.000	1.104	108.1	3.385	3.58	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23111427-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.23**	2.000	0.1350	104.8	75	125	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9214 (TOTAL)

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111427-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.25**	2.000	0.1350	105.8	2.230	0.98	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23111427-015AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.16**	2.000	0.1440	100.8	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111427-015AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.21**	2.000	0.1440	103.1	2.161	2.06	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23111427-023AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.24**	2.000	0.1930	102.5	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111427-023AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.1930	101.5	2.243	0.94	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23111427-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.35**	2.000	0.3080	102.2	75	125	11/27/2023

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111427-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.40**	2.000	0.3080	104.6	2.351	2.02	11/27/2023

Batch R339717 **SampType:** MS Units **mg/L**
SampID: 23111427-039AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.30**	2.000	0.3020	100.0	75	125	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9214 (TOTAL)

Batch R339717 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111427-039AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.38**	2.000	0.3020	103.7	2.301	3.21	11/27/2023

Batch R339781 **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	11/28/2023

Batch R339781 **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		**0.98**	1.000	0	98.3	90	110	11/28/2023

Batch R339781 **SampType:** MS Units **mg/L**
SampID: 23110002-027AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.55**	2.000	0.4220	106.5	75	125	11/28/2023

Batch R339781 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-027AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.56**	2.000	0.4220	106.7	2.552	0.16	11/28/2023

Batch R339781 **SampType:** MS Units **mg/L**
SampID: 23110002-035AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.46**	2.000	0.3380	106.3	75	125	11/28/2023

Batch R339781 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-035AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.47**	2.000	0.3380	106.8	2.464	0.36	11/28/2023

Batch R339781 **SampType:** MS Units **mg/L**
SampID: 23110002-057AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.3060	107.0	75	125	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9214 (TOTAL)

Batch R339781 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-057AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.44**	2.000	0.3060	106.6	2.447	0.33	11/28/2023

Batch R339781 **SampType:** MS Units **mg/L**
SampID: 23110002-066AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.48**	2.000	0.3340	107.4	75	125	11/28/2023

Batch R339781 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-066AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.3340	105.7	2.482	1.38	11/28/2023

Batch R339781 **SampType:** MS Units **mg/L**
SampID: 23110002-090AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.56**	2.000	0.3530	110.2	75	125	11/28/2023

Batch R339781 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-090AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.48**	2.000	0.3530	106.5	2.557	2.94	11/28/2023

Batch R339781 **SampType:** MS Units **mg/L**
SampID: 23110002-102CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.02**	2.000	0	101.0	75	125	11/28/2023

Batch R339781 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-102CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.02**	2.000	0	100.8	2.019	0.20	11/28/2023

Batch R339781 **SampType:** MS Units **mg/L**
SampID: 23110002-107AMS

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	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9214 (TOTAL)

Batch R339781 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-107AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.54**	2.000	0.3860	107.6	2.502	1.43	11/28/2023

Batch R339781 **SampType:** MS Units **mg/L**
SampID: 23110440-020AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.2890	106.1	75	125	11/28/2023

Batch R339781 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110440-020AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.2890	101.7	2.411	3.76	11/28/2023

Batch R340135 **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	12/06/2023

Batch R340135 **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		**0.92**	1.000	0	91.7	90	110	12/06/2023

Batch R340135 **SampType:** MS Units **mg/L**
SampID: 23112017-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.18**	2.000	0.1590	101.1	75	125	12/06/2023

Batch R340135 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23112017-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.19**	2.000	0.1590	101.4	2.181	0.32	12/06/2023

Batch R340135 **SampType:** MS Units **mg/L**
SampID: 23120291-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.30**	2.000	0.3530	97.1	75	125	12/06/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9214 (TOTAL)

Batch R340135 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120291-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.50**	2.000	0.3530	107.6	2.295	8.75	12/06/2023

Batch R340348 **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	12/11/2023

Batch R340348 **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		**1.02**	1.000	0	102.4	90	110	12/11/2023

Batch R340348 **SampType:** MS Units **mg/L**
SampID: 23120456-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.30**	2.000	0.1750	106.1	75	125	12/11/2023

Batch R340348 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120456-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.1750	107.4	2.297	1.17	12/11/2023

Batch R340348 **SampType:** MS Units **mg/L**
SampID: 23120502-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.66**	2.000	0.3990	112.8	75	125	12/11/2023

Batch R340348 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120502-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.53**	2.000	0.3990	106.4	2.655	4.90	12/11/2023

Batch R340348 **SampType:** MS Units **mg/L**
SampID: 23120580-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.90**	2.000	0.5860	115.6	75	125	12/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9214 (TOTAL)

Batch R340348 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120580-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.87**	2.000	0.5860	114.3	2.897	0.87	12/11/2023

Batch R340348 **SampType:** MS Units **mg/L**
SampID: 23120598-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.2160	111.6	75	125	12/11/2023

Batch R340348 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120598-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.42**	2.000	0.2160	110.0	2.447	1.32	12/11/2023

Batch R340348 **SampType:** MS Units **mg/L**
SampID: 23120603-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.36**	2.000	0.1790	108.8	75	125	12/11/2023

Batch R340348 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120603-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.36**	2.000	0.1790	109.0	2.355	0.21	12/11/2023

SW-846 9251 (DISSOLVED)

Batch R339442 **SampType:** MS Units **mg/L**
SampID: 23110002-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**54**	20.00	34.74	95.8	85	115	11/16/2023

Batch R339442 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**53**	20.00	34.74	93.7	53.89	0.76	11/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (DISSOLVED)

Batch R339442 **SampType:** MS Units **mg/L**
SampID: 23110002-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**228**	200.0	43.80	92.1	85	115	11/16/2023

Batch R339442 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**228**	200.0	43.80	92.0	228.0	0.05	11/16/2023

Batch R339442 **SampType:** MS Units **mg/L**
SampID: 23110823-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**623**	400.0	282.1	85.2	85	115	11/16/2023

Batch R339442 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110823-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		**632**	400.0	282.1	87.4	623.0	1.38	11/16/2023

Batch R339515 **SampType:** MS Units **mg/L**
SampID: 23110002-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**276**	200.0	99.82	88.1	85	115	11/17/2023

Batch R339515 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**276**	200.0	99.82	88.2	276.1	0.03	11/17/2023

Batch R339515 **SampType:** MS Units **mg/L**
SampID: 23110002-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**92**	40.00	56.95	88.8	85	115	11/17/2023

Batch R339515 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**94**	40.00	56.95	93.3	92.47	1.92	11/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (DISSOLVED)

Batch R339515 **SampType:** MS Units **mg/L**
SampID: 23111131-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**83**	40.00	47.51	87.8	85	115	11/18/2023

Batch R339515 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111131-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**82**	40.00	47.51	86.0	82.63	0.85	11/18/2023

Batch R339847 **SampType:** MS Units **mg/L**
SampID: 23110002-040BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**247**	200.0	61.34	92.8	85	115	11/28/2023

Batch R339847 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-040BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**248**	200.0	61.34	93.5	246.8	0.63	11/28/2023

Batch R339847 **SampType:** MS Units **mg/L**
SampID: 23110002-046BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	S	**49**	20.00	32.52	84.6	85	115	11/28/2023

Batch R339847 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-046BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	S	**49**	20.00	32.52	84.0	49.45	0.26	11/28/2023

Batch R339847 **SampType:** MS Units **mg/L**
SampID: 23110002-050BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**128**	100.0	33.51	94.8	85	115	11/28/2023

Batch R339847 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-050BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**131**	100.0	33.51	97.1	128.3	1.82	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (DISSOLVED)

Batch R340671 **SampType:** MS Units **mg/L**
SampID: 23121192-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**463**	200.0	285.4	89.0	85	115	12/15/2023

Batch R340671 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23121192-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**456**	200.0	285.4	85.5	463.5	1.54	12/15/2023

Batch R340671 **SampType:** MS Units **mg/L**
SampID: 23121193-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**64**	20.00	42.64	107.7	85	115	12/15/2023

Batch R340671 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23121193-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**64**	20.00	42.64	106.2	64.18	0.45	12/15/2023

SW-846 9251 (TOTAL)

Batch R339442 **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	11/16/2023

Batch R339442 **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	94.7	90	110	11/16/2023

Batch R339442 **SampType:** MS Units **mg/L**
SampID: 23110002-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**52**	20.00	33.09	96.7	85	115	11/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (TOTAL)

Batch R339442 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**52**	20.00	33.09	93.3	52.43	1.31	11/17/2023

Batch R339442 **SampType:** MS Units **mg/L**
SampID: 23110002-027AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**226**	200.0	42.91	91.6	85	115	11/17/2023

Batch R339442 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-027AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**226**	200.0	42.91	91.6	226.0	0.02	11/17/2023

Batch R339442 **SampType:** MS Units **mg/L**
SampID: 23110858-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**29**	20.00	10.30	91.5	85	115	11/16/2023

Batch R339442 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110858-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**28**	20.00	10.30	89.6	28.60	1.34	11/16/2023

Batch R339442 **SampType:** MS Units **mg/L**
SampID: 23110866-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4000		**24700**	20000	5923	94.0	85	115	11/16/2023

Batch R339442 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110866-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4000		**25900**	20000	5923	100.0	24710	4.77	11/16/2023

Batch R339442 **SampType:** MS Units **mg/L**
SampID: 23110933-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**36**	20.00	18.76	88.2	85	115	11/16/2023

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (TOTAL)

Batch R339442 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110933-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**37**	20.00	18.76	89.8	36.40	0.88	11/16/2023

Batch R339515 **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	11/17/2023

Batch R339515 **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	95.1	90	110	11/17/2023

Batch R339515 **SampType:** MS Units **mg/L**
SampID: 23110002-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**41**	20.00	23.44	88.3	85	115	11/18/2023

Batch R339515 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**41**	20.00	23.44	88.4	41.10	0.07	11/18/2023

Batch R339515 **SampType:** MS Units **mg/L**
SampID: 23111182-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**36**	20.00	17.99	89.0	85	115	11/17/2023

Batch R339515 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111182-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**36**	20.00	17.99	88.2	35.80	0.50	11/17/2023

Batch R339847 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

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	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (TOTAL)

Batch R339847 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	101.9	90	110	11/28/2023

Batch R339847 **SampType:** MS Units **mg/L**
SampID: 23110002-030AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**80**	40.00	44.03	90.3	85	115	11/28/2023

Batch R339847 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-030AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**80**	40.00	44.03	89.7	80.16	0.34	11/28/2023

Batch R339847 **SampType:** MS Units **mg/L**
SampID: 23110002-037AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**309**	200.0	122.9	93.1	85	115	11/29/2023

Batch R339847 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-037AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**307**	200.0	122.9	91.9	309.1	0.80	11/29/2023

Batch R339847 **SampType:** MS Units **mg/L**
SampID: 23110002-042AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**97**	40.00	62.60	85.6	85	115	11/29/2023

Batch R339847 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-042AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**97**	40.00	62.60	86.1	96.83	0.20	11/29/2023

Batch R339847 **SampType:** MS Units **mg/L**
SampID: 23110002-050AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**106**	40.00	69.88	89.9	85	115	11/29/2023

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (TOTAL)

Batch R339847 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110002-050AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**107**	40.00	69.88	93.1	105.8	1.19	11/29/2023

Batch R339847 **SampType:** MS Units **mg/L**
SampID: 23111432-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	1.560	95.3	85	115	11/28/2023

Batch R339847 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111432-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**21**	20.00	1.560	95.7	20.62	0.39	11/28/2023

Batch R339907 **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	11/29/2023

Batch R339907 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	100.5	90	110	11/29/2023

Batch R339907 **SampType:** MS Units **mg/L**
SampID: 23111606-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**26**	20.00	6.740	94.6	85	115	11/29/2023

Batch R339907 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111606-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**25**	20.00	6.740	92.8	25.65	1.41	11/29/2023

Batch R339907 **SampType:** MS Units **mg/L**
SampID: 23111665-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**159**	100.0	60.00	99.5	85	115	11/29/2023

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (TOTAL)

Batch R339907 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111665-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**157**	100.0	60.00	97.1	159.5	1.50	11/29/2023

Batch R339907 **SampType:** MS Units **mg/L**
SampID: 23111685-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**174**	100.0	83.38	90.3	85	115	11/29/2023

Batch R339907 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23111685-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**173**	100.0	83.38	89.6	173.7	0.39	11/29/2023

Batch R340022 **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	12/01/2023

Batch R340022 **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	101.0	90	110	12/01/2023

Batch R340022 **SampType:** MS Units **mg/L**
SampID: 23110440-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**33**	20.00	14.00	92.6	85	115	12/01/2023

Batch R340022 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23110440-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**33**	20.00	14.00	93.1	32.52	0.31	12/01/2023

Batch R340022 **SampType:** MS Units **mg/L**
SampID: 23112078-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	11.15	93.3	85	115	12/01/2023

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Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (TOTAL)

Batch R340022 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23112078-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	11.15	93.4	29.80	0.07	12/01/2023

Batch R340022 **SampType:** MS Units **mg/L**
SampID: 23112078-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	10.55	95.6	85	115	12/01/2023

Batch R340022 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23112078-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	10.55	94.8	29.66	0.54	12/01/2023

Batch R340139 **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	12/05/2023

Batch R340139 **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	102.9	90	110	12/05/2023

Batch R340139 **SampType:** MS Units **mg/L**
SampID: 23112008-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**562**	400.0	201.7	90.2	85	115	12/05/2023

Batch R340139 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23112008-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		**568**	400.0	201.7	91.6	562.3	1.05	12/05/2023

Batch R340139 **SampType:** MS Units **mg/L**
SampID: 23120036-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**19**	20.00	0	97.0	85	115	12/05/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (TOTAL)

Batch R340139 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120036-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**19**	20.00	0	96.3	19.39	0.67	12/05/2023

Batch R340139 **SampType:** MS Units **mg/L**
SampID: 23120088-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**27**	20.00	7.150	97.0	85	115	12/05/2023

Batch R340139 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120088-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**26**	20.00	7.150	94.0	26.54	2.25	12/05/2023

Batch R340139 **SampType:** MS Units **mg/L**
SampID: 23120190-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	5.240	95.5	85	115	12/05/2023

Batch R340139 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120190-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	5.240	96.0	24.33	0.41	12/05/2023

Batch R340188 **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	12/06/2023

Batch R340188 **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	103.8	90	110	12/06/2023

Batch R340188 **SampType:** MS Units **mg/L**
SampID: 23112017-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**80**	40.00	45.89	85.4	85	115	12/06/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (TOTAL)

Batch R340188 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23112017-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**81**	40.00	45.89	88.8	80.03	1.73	12/06/2023

Batch R340188 **SampType:** MS Units **mg/L**
SampID: 23120202-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		200		**2440**	1000	1521	92.3	85	115	12/06/2023

Batch R340188 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120202-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		200		**2450**	1000	1521	93.3	2444	0.39	12/06/2023

Batch R340188 **SampType:** MS Units **mg/L**
SampID: 23120317-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	11.76	93.4	85	115	12/06/2023

Batch R340188 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120317-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	11.76	93.2	30.43	0.10	12/06/2023

Batch R340360 **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	12/08/2023

Batch R340360 **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	12/08/2023

Batch R340360 **SampType:** MS Units **mg/L**
SampID: 23120467-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**282**	200.0	99.52	91.3	85	115	12/08/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (TOTAL)

Batch R340360 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120467-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**282**	200.0	99.52	91.2	282.0	0.03	12/08/2023

Batch R340360 **SampType:** MS Units **mg/L**
SampID: 23120623-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**35**	20.00	16.83	89.6	85	115	12/08/2023

Batch R340360 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120623-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**35**	20.00	16.83	88.8	34.75	0.49	12/08/2023

Batch R340385 **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	12/11/2023

Batch R340385 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.9	90	110	12/11/2023

Batch R340385 **SampType:** MS Units **mg/L**
SampID: 23120502-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		2000		**16100**	10000	7391	87.0	85	115	12/12/2023

Batch R340385 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120502-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		2000		**15900**	10000	7391	85.4	16090	0.99	12/12/2023

Batch R340385 **SampType:** MS Units **mg/L**
SampID: 23120598-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**23**	20.00	3.610	95.4	85	115	12/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (TOTAL)

Batch R340385 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120598-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**23**	20.00	3.610	94.6	22.69	0.71	12/11/2023

Batch R340385 **SampType:** MS Units **mg/L**
SampID: 23120667-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	SE	**53**	20.00	35.62	84.8	85	115	12/11/2023

Batch R340385 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120667-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**54**	20.00	35.62	93.2	52.59	3.11	12/11/2023

Batch R340385 **SampType:** MS Units **mg/L**
SampID: 23120667-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**47**	20.00	29.80	86.8	85	115	12/11/2023

Batch R340385 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120667-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**50**	20.00	29.80	102.5	47.15	6.46	12/11/2023

Batch R340385 **SampType:** MS Units **mg/L**
SampID: 23120667-016BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	12.53	89.0	85	115	12/11/2023

Batch R340385 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23120667-016BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	12.53	87.4	30.33	1.06	12/11/2023

Batch R340671 **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	12/15/2023

Teklab, Inc.
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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 9251 (TOTAL)

Batch R340671 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.6	90	110	12/15/2023

Batch R340671 **SampType:** MS Units **mg/L**
SampID: 23121146-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	S	**36**	20.00	19.60	79.8	85	115	12/15/2023

Batch R340671 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 23121146-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	S	**36**	20.00	19.60	81.4	35.55	0.92	12/15/2023

Batch R340913 **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	12/19/2023

Batch R340913 **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	104.6	90	110	12/19/2023

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

Batch 214751 **SampType:** MBLK Units **mg/L**
SampID: MBLK-214751

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	JS	**0.050**	0.0350	0	142.6	-100	100	11/17/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/16/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/16/2023
Sodium		0.0500	S	**0.0506**	0.0180	0	281.1	-100	100	11/16/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214751 **SampType:** LCS Units **mg/L**
SampID: LCS-214751

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	B	**2.39**	2.500	0	95.6	85	115	11/17/2023
Magnesium		0.0500		**2.27**	2.500	0	90.7	85	115	11/16/2023
Potassium		0.100		**2.25**	2.500	0	89.9	85	115	11/16/2023
Sodium		0.0500	BS	**2.03**	2.500	0	81.2	85	115	11/16/2023

Batch 214751 **SampType:** MS Units **mg/L**
SampID: 23110002-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	BS	**114**	2.500	113.4	40.0	75	125	11/17/2023
Magnesium		0.050	S	**52.2**	2.500	51.31	37.6	75	125	11/16/2023
Potassium		0.100		**2.97**	2.500	0.7587	88.4	75	125	11/16/2023
Sodium		0.050	S	**62.9**	2.500	61.96	37.6	75	125	11/16/2023

Batch 214751 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23110002-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	BS	**114**	2.500	113.4	28.0	114.4	0.26	11/17/2023
Magnesium		0.050		**53.2**	2.500	51.31	76.4	52.25	1.84	11/16/2023
Potassium		0.100		**2.98**	2.500	0.7587	89.0	2.969	0.47	11/16/2023
Sodium		0.050	S	**63.4**	2.500	61.96	55.6	62.90	0.71	11/16/2023

Batch 214940 **SampType:** MBLK Units **mg/L**
SampID: MBLK-214940

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	11/22/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	11/22/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	11/22/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/22/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	11/22/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	11/22/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/22/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/22/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	11/22/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	11/22/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/22/2023

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214940 **SampType:** LCS Units **mg/L**
SampID: LCS-214940

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.449**	0.5000	0	89.7	85	115	11/22/2023
Barium		0.0025		**1.73**	2.000	0	86.6	85	115	11/22/2023
Cadmium		0.0020		**0.0432**	0.0500	0	86.4	85	115	11/22/2023
Calcium		0.100		**2.14**	2.500	0	85.7	85	115	11/22/2023
Chromium		0.0050		**0.172**	0.2000	0	86.0	85	115	11/22/2023
Lead		0.0150		**0.434**	0.5000	0	86.7	85	115	11/22/2023
Potassium		0.100		**2.37**	2.500	0	94.7	85	115	11/22/2023
Selenium		0.0400		**0.437**	0.5000	0	87.5	85	115	11/22/2023
Silver		0.0070		**0.0444**	0.0500	0	88.8	85	115	11/22/2023
Sodium		0.0500		**2.23**	2.500	0	89.2	85	115	11/22/2023

Batch 214940 **SampType:** MS Units **mg/L**
SampID: 23110002-090DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**64.6**	2.500	61.99	104.4	75	125	11/22/2023
Magnesium		0.050		**31.6**	2.500	29.38	87.7	75	125	11/22/2023
Potassium		0.100		**2.96**	2.500	0.5392	96.9	75	125	11/22/2023
Sodium		0.050		**57.7**	2.500	55.32	96.0	75	125	11/22/2023

Batch 214940 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23110002-090DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**63.6**	2.500	61.99	63.6	64.60	1.59	11/22/2023
Magnesium		0.050	S	**31.1**	2.500	29.38	67.9	31.57	1.59	11/22/2023
Potassium		0.100		**2.92**	2.500	0.5392	95.3	2.961	1.30	11/22/2023
Sodium		0.050	S	**56.6**	2.500	55.32	50.8	57.72	1.98	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214940 **SampType:** MS Units **mg/L**
SampID: 23111147-002FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.829**	1.000	0	82.9	75	125	11/22/2023
Barium		0.0025		**3.29**	4.000	0.1263	79.1	75	125	11/22/2023
Cadmium		0.0020		**0.0771**	0.1000	0	77.1	75	125	11/22/2023
Chromium		0.0050		**0.313**	0.4000	0	78.2	75	125	11/22/2023
Lead		0.0150		**0.781**	1.000	0	78.1	75	125	11/22/2023
Selenium		0.0400		**0.792**	1.000	0	79.2	75	125	11/22/2023
Silver		0.0070		**0.0826**	0.1000	0	82.6	75	125	11/22/2023

Batch 214940 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23111147-002FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.837**	1.000	0	83.7	0.8293	0.96	11/22/2023
Barium		0.0025		**3.31**	4.000	0.1263	79.6	3.290	0.61	11/22/2023
Cadmium		0.0020		**0.0778**	0.1000	0	77.8	0.07710	0.90	11/22/2023
Chromium		0.0050		**0.315**	0.4000	0	78.8	0.3130	0.76	11/22/2023
Lead		0.0150		**0.792**	1.000	0	79.2	0.7806	1.49	11/22/2023
Selenium		0.0400		**0.802**	1.000	0	80.2	0.7924	1.24	11/22/2023
Silver		0.0070		**0.0835**	0.1000	0	83.5	0.08260	1.08	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214952 **SampType:** MBLK Units **mg/L**
SampID: MBLK-214952

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	11/27/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	11/27/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	11/27/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	11/27/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	11/27/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	11/27/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	11/27/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/28/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	11/27/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	11/27/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	11/27/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	11/27/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	11/27/2023
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	11/28/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	11/27/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	11/27/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	11/27/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/28/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	11/27/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	11/27/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/27/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	11/27/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214952 **SampType:** LCS Units **mg/L**
SampID: LCS-214952

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.78**	2.000	0	88.9	85	115	11/27/2023
Antimony		0.0500		**0.454**	0.5000	0	90.9	85	115	11/27/2023
Arsenic		0.0250		**0.464**	0.5000	0	92.8	85	115	11/27/2023
Barium		0.0025		**1.81**	2.000	0	90.5	85	115	11/27/2023
Beryllium		0.0005		**0.0458**	0.0500	0	91.6	85	115	11/27/2023
Boron		0.0200		**0.459**	0.5000	0	91.9	85	115	11/27/2023
Cadmium		0.0020		**0.0462**	0.0500	0	92.4	85	115	11/27/2023
Calcium		0.100		**2.34**	2.500	0	93.7	85	115	11/28/2023
Chromium		0.0050		**0.180**	0.2000	0	89.9	85	115	11/27/2023
Cobalt		0.0050		**0.460**	0.5000	0	92.0	85	115	11/27/2023
Copper		0.0050		**0.224**	0.2500	0	89.5	85	115	11/27/2023
Iron		0.0400		**1.84**	2.000	0	91.9	85	115	11/27/2023
Lead		0.0150		**0.455**	0.5000	0	91.0	85	115	11/27/2023
Magnesium		0.050		**2.34**	2.500	0	93.6	85	115	11/28/2023
Manganese		0.0070		**0.445**	0.5000	0	89.0	85	115	11/27/2023
Molybdenum		0.0100		**0.446**	0.5000	0	89.2	85	115	11/27/2023
Nickel		0.0050		**0.456**	0.5000	0	91.2	85	115	11/27/2023
Potassium		0.100		**2.28**	2.500	0	91.3	85	115	11/28/2023
Selenium		0.0400		**0.458**	0.5000	0	91.6	85	115	11/27/2023
Silver		0.0070		**0.0453**	0.0500	0	90.6	85	115	11/27/2023
Sodium		0.0500		**2.14**	2.500	0	85.5	85	115	11/27/2023
Vanadium		0.0100		**0.452**	0.5000	0	90.4	85	115	11/27/2023
Zinc		0.0100		**0.460**	0.5000	0	92.1	85	115	11/27/2023

Batch 214952 **SampType:** MS Units **mg/L**
SampID: 23110002-011CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**77.9**	2.500	77.60	10.4	75	125	11/28/2023
Magnesium		0.050	S	**34.4**	2.500	32.92	61.2	75	125	11/28/2023
Potassium		0.100		**2.77**	2.500	0.4840	91.3	75	125	11/28/2023
Sodium		0.050		**35.9**	2.500	33.91	79.2	75	125	11/27/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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

Batch 214952 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23110002-011CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**76.6**	2.500	77.60	-38.8	77.86	1.59	11/28/2023
Magnesium		0.050	S	**34.0**	2.500	32.92	44.0	34.45	1.26	11/28/2023
Potassium		0.100		**2.77**	2.500	0.4840	91.6	2.766	0.29	11/28/2023
Sodium		0.050	S	**35.3**	2.500	33.91	54.8	35.89	1.71	11/27/2023

Batch 214952 **SampType:** MS Units **mg/L**

SampID: 23111147-008DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.465**	0.5000	0	92.9	75	125	11/27/2023
Barium		0.0025		**1.84**	2.000	0.1015	86.8	75	125	11/27/2023
Cadmium		0.0020		**0.0442**	0.0500	0	88.4	75	125	11/27/2023
Chromium		0.0050		**0.172**	0.2000	0	86.2	75	125	11/27/2023
Lead		0.0150		**0.436**	0.5000	0	87.1	75	125	11/27/2023
Selenium		0.0400		**0.440**	0.5000	0	88.1	75	125	11/27/2023
Silver		0.0070		**0.0437**	0.0500	0	87.4	75	125	11/27/2023

Batch 214952 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23111147-008DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.469**	0.5000	0	93.8	0.4646	0.90	11/27/2023
Barium		0.0025		**1.87**	2.000	0.1015	88.3	1.837	1.62	11/27/2023
Cadmium		0.0020		**0.0449**	0.0500	0	89.8	0.04420	1.57	11/27/2023
Chromium		0.0050		**0.175**	0.2000	0	87.7	0.1724	1.73	11/27/2023
Lead		0.0150		**0.444**	0.5000	0	88.7	0.4356	1.84	11/27/2023
Selenium		0.0400		**0.453**	0.5000	0	90.7	0.4404	2.89	11/27/2023
Silver		0.0070		**0.0438**	0.0500	0	87.6	0.04370	0.23	11/27/2023

Batch 214955 **SampType:** MBLK Units **mg/L**

SampID: MBLK-214955

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/27/2023
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	11/27/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/28/2023
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214955 **SampType:** LCS Units **mg/L**
SampID: LCS-214955

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.39**	2.500	0	95.4	85	115	11/27/2023
Magnesium		0.050		**2.27**	2.500	0	90.8	85	115	11/27/2023
Potassium		0.100		**2.31**	2.500	0	92.3	85	115	11/28/2023
Sodium		0.050		**2.75**	2.500	0	110.0	85	115	11/27/2023

Batch 214955 **SampType:** MS Units **mg/L**
SampID: 23110002-097CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**68.0**	2.500	68.81	-33.6	75	125	11/27/2023
Magnesium		0.050	S	**30.6**	2.500	29.71	34.4	75	125	11/27/2023
Potassium		0.100		**2.55**	2.500	0.2595	91.7	75	125	11/28/2023
Sodium		0.050	S	**47.8**	2.500	47.48	12.4	75	125	11/27/2023

Batch 214955 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23110002-097CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**67.8**	2.500	68.81	-38.8	67.97	0.19	11/27/2023
Magnesium		0.050	S	**30.5**	2.500	29.71	32.4	30.57	0.16	11/27/2023
Potassium		0.100		**2.59**	2.500	0.2595	93.3	2.553	1.52	11/28/2023
Sodium		0.050	S	**47.8**	2.500	47.48	12.4	47.79	0.00	11/27/2023

Batch 214955 **SampType:** MS Units **mg/L**
SampID: 23110394-004CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	**114**	2.500	113.3	40.0	75	125	11/27/2023

Batch 214955 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23110394-004CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050		**115**	2.500	113.3	76.0	114.3	0.78	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215051 **SampType:** MBLK Units **mg/L**
SampID: MBLK-215051

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	11/30/2023
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	11/28/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	11/28/2023
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	11/30/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	11/30/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	11/28/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	11/30/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	11/30/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	11/28/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	11/28/2023
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	11/30/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	11/28/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	11/30/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/30/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	11/28/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	11/30/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	11/30/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	11/28/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	11/28/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	11/30/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	11/30/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	11/28/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	11/28/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	11/30/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/30/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	11/30/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	11/28/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	11/30/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	11/28/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	11/30/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	11/28/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/30/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	11/28/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	11/30/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	11/30/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215051 **SampType:** MBLK Units **mg/L**
SampID: MBLK-215051

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/30/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/28/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	11/28/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	11/30/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	11/28/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	11/30/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	11/30/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215051 **SampType:** LCS Units **mg/L**
SampID: LCS-215051

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.78**	2.000	0	89.1	85	115	11/28/2023
Aluminum		0.0250		**1.93**	2.000	0	96.7	85	115	11/30/2023
Antimony		0.0500		**0.505**	0.5000	0	101.1	85	115	11/30/2023
Antimony		0.0500		**0.457**	0.5000	0	91.4	85	115	11/28/2023
Arsenic		0.0250		**0.457**	0.5000	0	91.4	85	115	11/28/2023
Arsenic		0.0250		**0.515**	0.5000	0	103.0	85	115	11/30/2023
Barium		0.0025		**2.02**	2.000	0	101.0	85	115	11/30/2023
Beryllium		0.0005		**0.0463**	0.0500	0	92.6	85	115	11/28/2023
Beryllium		0.0005		**0.0496**	0.0500	0	99.2	85	115	11/30/2023
Boron		0.0200		**0.501**	0.5000	0	100.1	85	115	11/30/2023
Boron		0.0200		**0.462**	0.5000	0	92.5	85	115	11/28/2023
Cadmium		0.0020		**0.0507**	0.0500	0	101.4	85	115	11/30/2023
Cadmium		0.0020		**0.0462**	0.0500	0	92.4	85	115	11/28/2023
Calcium		0.100		**2.64**	2.500	0	105.7	85	115	11/30/2023
Chromium		0.0050		**0.200**	0.2000	0	100.1	85	115	11/30/2023
Chromium		0.0050		**0.180**	0.2000	0	90.1	85	115	11/28/2023
Cobalt		0.0050		**0.513**	0.5000	0	102.6	85	115	11/30/2023
Cobalt		0.0050		**0.458**	0.5000	0	91.6	85	115	11/28/2023
Copper		0.0050		**0.225**	0.2500	0	89.8	85	115	11/28/2023
Copper		0.0050		**0.255**	0.2500	0	101.9	85	115	11/30/2023
Iron		0.0400		**1.85**	2.000	0	92.4	85	115	11/28/2023
Iron		0.0400		**2.05**	2.000	0	102.5	85	115	11/30/2023
Lead		0.0150		**0.459**	0.5000	0	91.7	85	115	11/28/2023
Lead		0.0150		**0.506**	0.5000	0	101.1	85	115	11/30/2023
Magnesium		0.0500		**2.34**	2.500	0	93.5	85	115	11/30/2023
Manganese		0.0070		**0.447**	0.5000	0	89.4	85	115	11/28/2023
Manganese		0.0070		**0.498**	0.5000	0	99.7	85	115	11/30/2023
Molybdenum		0.0100		**0.449**	0.5000	0	89.8	85	115	11/28/2023
Molybdenum		0.0100		**0.498**	0.5000	0	99.5	85	115	11/30/2023
Nickel		0.0050		**0.457**	0.5000	0	91.5	85	115	11/28/2023
Nickel		0.0050		**0.513**	0.5000	0	102.7	85	115	11/30/2023
Potassium		0.100		**2.57**	2.500	0	102.9	85	115	11/30/2023
Selenium		0.0400		**0.460**	0.5000	0	91.9	85	115	11/28/2023
Selenium		0.0400		**0.499**	0.5000	0	99.9	85	115	11/30/2023
Silver		0.0070		**0.0486**	0.0500	0	97.2	85	115	11/30/2023
Silver		0.0070		**0.0453**	0.0500	0	90.6	85	115	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215051 **SampType:** LCS Units **mg/L**
SampID: LCS-215051

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sodium		0.0500		**2.15**	2.500	0	86.0	85	115	11/28/2023
Sodium		0.0500		**2.57**	2.500	0	102.6	85	115	11/30/2023
Thallium		0.0500		**0.247**	0.2500	0	98.7	85	115	11/30/2023
Thallium		0.0500		**0.226**	0.2500	0	90.6	85	115	11/28/2023
Vanadium		0.0100		**0.457**	0.5000	0	91.4	85	115	11/28/2023
Vanadium		0.0100		**0.506**	0.5000	0	101.2	85	115	11/30/2023
Zinc		0.0100		**0.505**	0.5000	0	101.0	85	115	11/30/2023
Zinc		0.0100		**0.460**	0.5000	0	92.0	85	115	11/28/2023

Batch 215051 **SampType:** MS Units **mg/L**
SampID: 23111606-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**136**	2.500	135.6	2.4	75	125	11/30/2023
Iron		0.0400		**2.85**	2.000	0.9822	93.2	75	125	11/28/2023
Magnesium		0.0500	S	**45.9**	2.500	44.56	54.2	75	125	11/30/2023
Potassium		0.100		**4.77**	2.500	2.335	97.3	75	125	11/30/2023
Sodium		0.0500		**9.34**	2.500	7.274	82.6	75	125	11/28/2023

Batch 215051 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23111606-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**< 0.100**	2.500	135.6	-5422	135.6	0.00	11/30/2023
Iron		0.0400		**2.80**	2.000	0.9822	90.7	2.847	1.81	11/28/2023
Magnesium		0.0500	S	**44.7**	2.500	44.56	4.8	45.92	2.72	11/30/2023
Potassium		0.100		**4.64**	2.500	2.335	92.1	4.768	2.76	11/30/2023
Sodium		0.0500		**9.29**	2.500	7.274	80.5	9.339	0.56	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215761 **SampType:** MBLK Units **mg/L**
SampID: MBLK-215761

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	12/11/2023
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	12/11/2023
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	12/11/2023
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	12/11/2023
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	12/11/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	12/12/2023
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	12/11/2023
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	12/11/2023
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	12/11/2023
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	12/11/2023
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	12/11/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	12/11/2023
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	12/11/2023
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	12/11/2023
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	12/11/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	12/11/2023
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	12/11/2023
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	12/11/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	12/11/2023
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	12/11/2023
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	12/11/2023
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	12/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215761 **SampType:** LCS Units **mg/L**
SampID: LCS-215761

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		0.0500		**0.448**	0.5000	0	89.7	85	115	12/11/2023
Arsenic		0.0250		**0.481**	0.5000	0	96.1	85	115	12/11/2023
Barium		0.0025		**1.97**	2.000	0	98.5	85	115	12/11/2023
Beryllium		0.0005		**0.0494**	0.0500	0	98.8	85	115	12/11/2023
Cadmium		0.0020		**0.0475**	0.0500	0	95.0	85	115	12/11/2023
Calcium		0.100		**2.39**	2.500	0	95.7	85	115	12/12/2023
Chromium		0.0050		**0.193**	0.2000	0	96.6	85	115	12/11/2023
Cobalt		0.0050		**0.487**	0.5000	0	97.4	85	115	12/11/2023
Copper		0.0050		**0.256**	0.2500	0	102.2	85	115	12/11/2023
Iron		0.0400		**1.95**	2.000	0	97.3	85	115	12/11/2023
Lead		0.0150		**0.480**	0.5000	0	96.1	85	115	12/11/2023
Magnesium		0.0500		**2.23**	2.500	0	89.2	85	115	12/11/2023
Manganese		0.0070		**0.496**	0.5000	0	99.3	85	115	12/11/2023
Molybdenum		0.0100		**0.474**	0.5000	0	94.7	85	115	12/11/2023
Nickel		0.0050		**0.477**	0.5000	0	95.3	85	115	12/11/2023
Potassium		0.100		**2.62**	2.500	0	104.7	85	115	12/11/2023
Selenium		0.0400		**0.469**	0.5000	0	93.8	85	115	12/11/2023
Silver		0.0070		**0.0500**	0.0500	0	100.0	85	115	12/11/2023
Sodium		0.0500		**2.63**	2.500	0	105.0	85	115	12/11/2023
Thallium		0.0500		**0.240**	0.2500	0	96.2	85	115	12/11/2023
Vanadium		0.0100		**0.483**	0.5000	0	96.5	85	115	12/11/2023
Zinc		0.0100		**0.477**	0.5000	0	95.3	85	115	12/11/2023

Batch 215761 **SampType:** MS Units **mg/L**
SampID: 23120667-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**3.79**	4.000	0	94.8	75	125	12/11/2023
Manganese		0.0070		**0.932**	1.000	0	93.2	75	125	12/11/2023

Batch 215761 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23120667-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**3.74**	4.000	0	93.5	3.790	1.33	12/11/2023
Manganese		0.0070		**0.920**	1.000	0	92.0	0.9318	1.24	12/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215761 **SampType:** MS Units **mg/L**
SampID: 23120667-014DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**3.87**	4.000	0.09400	94.4	75	125	12/11/2023
Manganese		0.0070		**0.966**	1.000	0.04690	91.9	75	125	12/11/2023

Batch 215761 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23120667-014DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**3.77**	4.000	0.09400	91.9	3.870	2.62	12/11/2023
Manganese		0.0070		**0.941**	1.000	0.04690	89.4	0.9661	2.64	12/11/2023

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

Batch 214894 **SampType:** MBLK Units **mg/L**
SampID: MBLK-214894

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/20/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/20/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/20/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/20/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/20/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/20/2023

Batch 214894 **SampType:** LCS Units **mg/L**
SampID: LCS-214894

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.39**	2.500	0	95.6	85	115	11/20/2023
Magnesium		0.0500		**2.34**	2.500	0	93.8	85	115	11/20/2023
Magnesium		0.0500		**2.42**	2.500	0	96.8	85	115	11/20/2023
Potassium		0.100		**2.37**	2.500	0	94.9	85	115	11/20/2023
Potassium		0.100		**2.52**	2.500	0	100.9	85	115	11/20/2023
Sodium		0.0500		**2.50**	2.500	0	99.8	85	115	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214894 **SampType:** MS Units **mg/L**
SampID: 23110002-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**84.2**	2.500	80.72	139.6	75	125	11/21/2023
Magnesium		0.050	S	**38.7**	2.500	35.58	125.4	75	125	11/21/2023
Potassium		0.100		**3.56**	2.500	0.7284	113.5	75	125	11/21/2023
Sodium		0.050	S	**80.3**	2.500	76.69	144.0	75	125	11/21/2023

Batch 214894 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23110002-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**83.9**	2.500	80.72	126.4	84.21	0.39	11/21/2023
Magnesium		0.050		**38.4**	2.500	35.58	113.6	38.71	0.77	11/21/2023
Potassium		0.100		**3.39**	2.500	0.7284	106.4	3.565	5.04	11/21/2023
Sodium		0.050	S	**78.1**	2.500	76.69	56.0	80.29	2.78	11/21/2023

Batch 214894 **SampType:** MS Units **mg/L**
SampID: 23110002-025CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**84.8**	2.500	83.34	59.6	75	125	11/21/2023
Magnesium		0.050		**37.3**	2.500	35.15	86.8	75	125	11/21/2023
Potassium		0.100		**3.33**	2.500	0.6254	108.2	75	125	11/21/2023
Sodium		0.050		**52.1**	2.500	49.83	89.6	75	125	11/21/2023

Batch 214894 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23110002-025CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**88.0**	2.500	83.34	187.6	84.83	3.70	11/21/2023
Magnesium		0.050	S	**38.3**	2.500	35.15	127.6	37.32	2.70	11/21/2023
Potassium		0.100		**3.31**	2.500	0.6254	107.2	3.330	0.74	11/21/2023
Sodium		0.050	S	**53.6**	2.500	49.83	152.4	52.07	2.97	11/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214896 **SampType:** MBLK Units **mg/L**
SampID: MBLK-214896

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/29/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	12/01/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/29/2023
Magnesium		0.050	JS	**0.008**	0.0055	0	152.7	-100	100	12/01/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	12/01/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/29/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/29/2023
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	12/01/2023

Batch 214896 **SampType:** LCS Units **mg/L**
SampID: LCS-214896

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.75**	2.500	0	110.2	85	115	11/29/2023
Calcium		0.100		**2.74**	2.500	0	109.5	85	115	12/01/2023
Magnesium		0.050	B	**2.60**	2.500	0	103.9	85	115	12/01/2023
Magnesium		0.0500		**2.65**	2.500	0	105.9	85	115	11/29/2023
Potassium		0.100		**2.61**	2.500	0	104.5	85	115	11/29/2023
Potassium		0.100		**2.64**	2.500	0	105.8	85	115	12/01/2023
Sodium		0.050		**2.69**	2.500	0	107.7	85	115	12/01/2023
Sodium		0.0500		**2.48**	2.500	0	99.3	85	115	11/29/2023

Batch 214904 **SampType:** MBLK Units **mg/L**
SampID: MBLK-214904

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/20/2023
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/20/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/20/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/20/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/20/2023
Sodium		0.0500		**< 0.0500**	0.0200	0	0	-100	100	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214904 **SampType:** LCS Units **mg/L**
SampID: LCS-214904

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.42**	2.500	0	96.8	85	115	11/20/2023
Magnesium		0.0500		**2.44**	2.500	0	97.8	85	115	11/20/2023
Magnesium		0.0500		**2.39**	2.500	0	95.6	85	115	11/20/2023
Potassium		0.100		**2.63**	2.500	0	105.2	85	115	11/20/2023
Sodium		0.0500		**2.60**	2.500	0	104.0	85	115	11/20/2023

Batch 214920 **SampType:** MBLK Units **mg/L**
SampID: MBLK-214920

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/22/2023
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	11/22/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/22/2023
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	11/22/2023

Batch 214920 **SampType:** LCS Units **mg/L**
SampID: LCS-214920

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.38**	2.500	0	95.3	85	115	11/22/2023
Magnesium		0.050		**2.38**	2.500	0	95.3	85	115	11/22/2023
Potassium		0.100		**2.59**	2.500	0	103.7	85	115	11/22/2023
Sodium		0.050		**2.51**	2.500	0	100.2	85	115	11/22/2023

Batch 214920 **SampType:** MS Units **mg/L**
SampID: 23110002-037CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**175**	2.500	177.3	-109.6	75	125	11/22/2023
Magnesium		0.050	S	**71.7**	2.500	71.42	13.2	75	125	11/22/2023
Potassium		0.100		**3.12**	2.500	0.6259	99.8	75	125	11/22/2023
Sodium		0.050	S	**72.9**	2.500	73.61	-27.2	75	125	11/22/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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

Batch 214920 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23110002-037CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**174**	2.500	177.3	-140.4	174.6	0.44	11/22/2023
Magnesium		0.050	S	**70.9**	2.500	71.42	-21.4	71.75	1.21	11/22/2023
Potassium		0.100		**3.11**	2.500	0.6259	99.2	3.120	0.44	11/22/2023
Sodium		0.050	S	**72.6**	2.500	73.61	-42.4	72.93	0.52	11/22/2023

Batch 214920 **SampType:** MS Units **mg/L**

SampID: 23110002-107CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**102**	2.500	97.19	192.0	75	125	11/22/2023
Magnesium		0.050	S	**43.9**	2.500	40.54	133.7	75	125	11/22/2023
Potassium		0.100		**3.56**	2.500	0.9476	104.4	75	125	11/22/2023
Sodium		0.050	S	**105**	2.500	99.93	195.2	75	125	11/22/2023

Batch 214920 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 23110002-107CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**97.6**	2.500	97.19	18.4	102.0	4.35	11/22/2023
Magnesium		0.050	S	**42.1**	2.500	40.54	62.0	43.89	4.17	11/22/2023
Potassium		0.100		**3.44**	2.500	0.9476	99.6	3.557	3.41	11/22/2023
Sodium		0.050	S	**100**	2.500	99.93	9.2	104.8	4.54	11/22/2023

Batch 214922 **SampType:** MBLK Units **mg/L**

SampID: MBLK-214922

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/21/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/21/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/21/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/21/2023

Batch 214922 **SampType:** LCS Units **mg/L**

SampID: LCS-214922

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.57**	2.500	0	102.9	85	115	11/21/2023
Magnesium		0.0500		**2.38**	2.500	0	95.1	85	115	11/21/2023
Potassium		0.100		**2.53**	2.500	0	101.3	85	115	11/21/2023
Sodium		0.0500		**2.49**	2.500	0	99.8	85	115	11/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214922 **SampType:** MS Units **mg/L**
SampID: 23110002-085FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		5.00	S	**51.4**	2.500	48.24	126.4	75	125	11/27/2023
Magnesium		0.050		**2.11**	2.500	0.07670	81.4	75	125	11/21/2023
Potassium		5.00	S	**293**	2.500	285.4	293.2	75	125	11/27/2023
Sodium		2.50	S	**4450**	2.500	4364	3620	75	125	11/27/2023

Batch 214922 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23110002-085FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		5.00	S	**52.2**	2.500	48.24	159.4	51.40	1.59	11/27/2023
Magnesium		0.050		**2.17**	2.500	0.07670	83.6	2.112	2.51	11/21/2023
Potassium		5.00	S	**293**	2.500	285.4	312.6	292.8	0.17	11/27/2023
Sodium		2.50	S	**4480**	2.500	4364	4720	4454	0.62	11/27/2023

Batch 215174 **SampType:** MBLK Units **mg/L**
SampID: MBLK-215174

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/29/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/29/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/29/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/29/2023

Batch 215174 **SampType:** LCS Units **mg/L**
SampID: LCS-215174

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.67**	2.500	0	106.8	85	115	11/29/2023
Magnesium		0.0500		**2.46**	2.500	0	98.5	85	115	11/29/2023
Potassium		0.100		**2.62**	2.500	0	105.0	85	115	11/29/2023
Sodium		0.0500		**2.67**	2.500	0	106.8	85	115	11/29/2023

Batch 215174 **SampType:** MS Units **mg/L**
SampID: 23110002-052BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**165**	2.500	170.4	-198.0	75	125	11/30/2023
Magnesium		0.050	S	**82.9**	2.500	83.63	-31.0	75	125	11/30/2023
Potassium		0.100		**4.35**	2.500	1.573	111.3	75	125	11/30/2023
Sodium		0.050	S	**62.9**	2.500	63.63	-30.0	75	125	11/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215174 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23110002-052BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**164**	2.500	170.4	-256.8	165.5	0.89	11/30/2023
Magnesium		0.050	S	**81.8**	2.500	83.63	-73.0	82.85	1.28	11/30/2023
Potassium		0.100		**4.35**	2.500	1.573	111.0	4.354	0.16	11/30/2023
Sodium		0.050	S	**62.9**	2.500	63.63	-28.4	62.88	0.06	11/30/2023

Batch 215175 **SampType:** MBLK Units **mg/L**
SampID: MBLK-215175

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/29/2023
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/29/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/29/2023
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/29/2023

Batch 215175 **SampType:** LCS Units **mg/L**
SampID: LCS-215175

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.80**	2.500	0	112.1	85	115	11/29/2023
Magnesium		0.0500		**2.56**	2.500	0	102.3	85	115	11/29/2023
Potassium		0.100		**2.79**	2.500	0	111.6	85	115	11/29/2023
Sodium		0.0500		**2.70**	2.500	0	108.1	85	115	11/29/2023

Batch 215175 **SampType:** MS Units **mg/L**
SampID: 23110002-070BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**285**	2.500	299.5	-561.2	75	125	11/29/2023
Magnesium		0.050	S	**98.4**	2.500	101.3	-117.6	75	125	11/29/2023
Potassium		0.100		**6.39**	2.500	3.763	105.0	75	125	11/29/2023
Sodium		0.050	S	**432**	2.500	461.4	-1168	75	125	11/29/2023

Batch 215175 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23110002-070BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**300**	2.500	299.5	39.6	285.5	5.13	11/29/2023
Magnesium		0.050		**104**	2.500	101.3	106.5	98.38	5.54	11/29/2023
Potassium		0.100		**6.68**	2.500	3.763	116.8	6.389	4.50	11/29/2023
Sodium		0.050	S	**455**	2.500	461.4	-255.2	432.2	5.14	11/29/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215175 **SampType:** MS Units **mg/L**
SampID: 23110002-081BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**110**	2.500	110.0	3.2	75	125	11/29/2023

Batch 215175 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23110002-081BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**114**	2.500	110.0	179.6	110.1	3.93	11/29/2023

Batch 215760 **SampType:** MBLK Units **mg/L**
SampID: MBLK-215760

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	12/12/2023
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	12/11/2023
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	12/11/2023
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	12/11/2023

Batch 215760 **SampType:** LCS Units **mg/L**
SampID: LCS-215760

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.60**	2.500	0	104.0	85	115	12/12/2023
Magnesium		0.050		**2.47**	2.500	0	98.9	85	115	12/11/2023
Potassium		0.100		**2.86**	2.500	0	114.3	85	115	12/11/2023
Sodium		0.050		**2.79**	2.500	0	111.5	85	115	12/11/2023

Batch 215760 **SampType:** MS Units **mg/L**
SampID: 23120670-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**125**	2.500	121.0	142.0	75	125	12/12/2023
Magnesium		0.0500	S	**68.6**	2.500	65.25	133.5	75	125	12/12/2023

Batch 215760 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 23120670-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**123**	2.500	121.0	95.6	124.5	0.94	12/12/2023
Magnesium		0.0500		**68.0**	2.500	65.25	108.7	68.59	0.91	12/12/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214751 **SampType:** MBLK Units **µg/L**
SampID: MBLK-214751

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/16/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/16/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/16/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/16/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/16/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/17/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/16/2023
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/16/2023
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/16/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/16/2023

Batch 214751 **SampType:** LCS Units **µg/L**
SampID: LCS-214751

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**440**	500.0	0	87.9	80	120	11/16/2023
Arsenic		1.0		**466**	500.0	0	93.2	80	120	11/16/2023
Barium		1.0		**1780**	2000	0	89.2	80	120	11/16/2023
Boron		25.0		**455**	500.0	0	91.0	80	120	11/16/2023
Cadmium		1.0		**43.4**	50.00	0	86.7	80	120	11/16/2023
Chromium		1.5		**191**	200.0	0	95.6	80	120	11/17/2023
Cobalt		1.0		**489**	500.0	0	97.7	80	120	11/17/2023
Lead		1.0		**442**	500.0	0	88.5	80	120	11/16/2023
Manganese		2.0		**446**	500.0	0	89.2	80	120	11/16/2023
Zinc		15.0		**459**	500.0	0	91.8	80	120	11/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214751 **SampType:** MS Units **µg/L**
SampID: 23110002-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**459**	500.0	1.172	91.6	75	125	11/16/2023
Arsenic		1.0		**478**	500.0	0	95.6	75	125	11/16/2023
Barium		1.0		**1830**	2000	27.79	90.1	75	125	11/16/2023
Boron		25.0		**453**	500.0	9.288	88.7	75	125	11/16/2023
Cadmium		1.0		**44.9**	50.00	0	89.8	75	125	11/16/2023
Chromium		1.5		**188**	200.0	0	93.8	75	125	11/17/2023
Cobalt		1.0		**473**	500.0	0	94.6	75	125	11/17/2023
Lead		1.0		**456**	500.0	0	91.2	75	125	11/16/2023
Manganese		2.0		**464**	500.0	0	92.9	75	125	11/16/2023
Zinc		15.0		**467**	500.0	0	93.4	75	125	11/17/2023

Batch 214751 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**451**	500.0	1.172	90.0	459.2	1.80	11/16/2023
Arsenic		1.0		**488**	500.0	0	97.6	478.2	2.04	11/16/2023
Barium		1.0		**1830**	2000	27.79	90.3	1830	0.23	11/16/2023
Boron		25.0		**474**	500.0	9.288	92.9	453.0	4.48	11/16/2023
Cadmium		1.0		**44.0**	50.00	0	88.1	44.89	1.92	11/16/2023
Chromium		1.5		**198**	200.0	0	99.2	187.5	5.65	11/17/2023
Cobalt		1.0		**496**	500.0	0	99.1	473.0	4.67	11/17/2023
Lead		1.0		**463**	500.0	0	92.6	455.9	1.53	11/16/2023
Manganese		2.0		**456**	500.0	0	91.2	464.5	1.87	11/16/2023
Zinc		15.0		**499**	500.0	0	99.8	467.1	6.57	11/17/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214940 **SampType:** MBLK Units **µg/L**
SampID: MBLK-214940

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	11/29/2023
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/22/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/22/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/22/2023
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/22/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/22/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/22/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/27/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/21/2023
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	11/21/2023
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/21/2023
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/21/2023
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/21/2023
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/21/2023
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/22/2023
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	11/22/2023
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/21/2023
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/21/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214940 **SampType:** LCS Units **µg/L**
SampID: LCS-214940

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2110**	2000	0	105.7	80	120	11/29/2023
Antimony		1.0		**427**	500.0	0	85.4	80	120	11/22/2023
Arsenic		1.0		**459**	500.0	0	91.9	80	120	11/22/2023
Barium		1.0		**1860**	2000	0	92.9	80	120	11/22/2023
Beryllium		1.0		**44.4**	50.00	0	88.8	80	120	11/22/2023
Boron		25.0		**472**	500.0	0	94.4	80	120	11/30/2023
Cadmium		1.0		**44.5**	50.00	0	88.9	80	120	11/22/2023
Chromium		1.5		**202**	200.0	0	100.8	80	120	11/27/2023
Cobalt		1.0		**448**	500.0	0	89.6	80	120	11/21/2023
Copper		1.0		**227**	250.0	0	90.7	80	120	11/21/2023
Iron		25.0		**1950**	2000	0	97.3	80	120	11/21/2023
Lead		1.0		**457**	500.0	0	91.5	80	120	11/21/2023
Manganese		2.0		**500**	500.0	0	100.0	80	120	11/21/2023
Nickel		1.0		**460**	500.0	0	92.0	80	120	11/21/2023
Selenium		1.0		**441**	500.0	0	88.2	80	120	11/22/2023
Silver		1.0		**46.3**	50.00	0	92.6	80	120	11/22/2023
Thallium		2.0		**230**	250.0	0	92.2	80	120	11/21/2023
Vanadium		5.0		**499**	500.0	0	99.9	80	120	11/27/2023
Zinc		15.0		**453**	500.0	0	90.7	80	120	11/21/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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

Batch 214940 **SampType:** MS Units **µg/L**

SampID: 23110002-090DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1900**	2000	0	95.2	75	125	11/29/2023
Antimony		1.0		**450**	500.0	0	89.9	75	125	11/22/2023
Arsenic		1.0		**468**	500.0	0	93.5	75	125	11/22/2023
Barium		1.0		**1890**	2000	53.12	91.9	75	125	11/22/2023
Beryllium		1.0		**45.8**	50.00	0	91.6	75	125	11/22/2023
Boron		25.0		**496**	500.0	0	99.2	75	125	11/30/2023
Cadmium		1.0		**44.6**	50.00	0	89.3	75	125	11/22/2023
Chromium		1.5		**193**	200.0	1.015	96.0	75	125	11/28/2023
Cobalt		1.0		**478**	500.0	0	95.5	75	125	11/28/2023
Copper		1.0		**220**	250.0	0.5388	87.9	75	125	11/21/2023
Iron		25.0		**1940**	2000	0	97.2	75	125	11/21/2023
Lead		1.0		**454**	500.0	0	90.7	75	125	11/21/2023
Manganese		2.0		**498**	500.0	2.630	99.1	75	125	11/21/2023
Molybdenum		1.5		**473**	500.0	1.857	94.3	75	125	11/29/2023
Nickel		1.0		**440**	500.0	0	88.1	75	125	11/21/2023
Selenium		1.0		**450**	500.0	3.487	89.3	75	125	11/22/2023
Silver		1.0		**46.2**	50.00	0	92.4	75	125	11/22/2023
Thallium		2.0		**207**	250.0	0	82.7	75	125	11/21/2023
Vanadium		5.0		**480**	500.0	0	96.0	75	125	11/28/2023
Zinc		15.0		**475**	500.0	0	95.0	75	125	11/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214940 **SampType:** MSD Units µg/L RPD Limit 20
SampID: 23110002-090DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1790**	2000	0	89.5	1905	6.26	11/29/2023
Antimony		1.0		**463**	500.0	0	92.6	449.6	2.96	11/22/2023
Arsenic		1.0		**467**	500.0	0	93.4	467.7	0.16	11/22/2023
Barium		1.0		**1920**	2000	53.12	93.1	1891	1.27	11/22/2023
Beryllium		1.0		**43.2**	50.00	0	86.4	45.79	5.82	11/22/2023
Boron		25.0		**522**	500.0	0	104.3	496.1	5.00	11/30/2023
Cadmium		1.0		**44.5**	50.00	0	89.1	44.63	0.21	11/22/2023
Chromium		1.5		**197**	200.0	1.015	97.9	193.0	1.99	11/28/2023
Cobalt		1.0		**487**	500.0	0	97.3	477.7	1.84	11/28/2023
Copper		1.0		**214**	250.0	0.5388	85.4	220.4	2.93	11/21/2023
Iron		25.0		**1900**	2000	0	95.0	1944	2.28	11/21/2023
Lead		1.0		**469**	500.0	0	93.8	453.7	3.30	11/21/2023
Manganese		2.0		**491**	500.0	2.630	97.6	498.0	1.46	11/21/2023
Molybdenum		1.5		**463**	500.0	1.857	92.3	473.3	2.17	11/29/2023
Nickel		1.0		**433**	500.0	0	86.5	440.4	1.79	11/21/2023
Selenium		1.0		**449**	500.0	3.487	89.1	449.7	0.13	11/22/2023
Silver		1.0		**45.3**	50.00	0	90.6	46.22	1.97	11/22/2023
Thallium		2.0		**220**	250.0	0	87.9	206.7	6.06	11/21/2023
Vanadium		5.0		**492**	500.0	0	98.3	480.0	2.38	11/28/2023
Zinc		15.0		**449**	500.0	0	89.7	475.0	5.71	11/21/2023

Batch 214952 **SampType:** MBLK Units µg/L
SampID: MBLK-214952

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/21/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/21/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/21/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/21/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/21/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/27/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/21/2023
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/21/2023
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/21/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214952 **SampType:** LCS Units **µg/L**
SampID: LCS-214952

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**440**	500.0	0	88.0	80	120	11/22/2023
Arsenic		1.0		**493**	500.0	0	98.6	80	120	11/21/2023
Barium		1.0		**1920**	2000	0	96.2	80	120	11/21/2023
Boron		25.0		**456**	500.0	0	91.2	80	120	11/21/2023
Cadmium		1.0		**43.6**	50.00	0	87.3	80	120	11/21/2023
Chromium		1.5		**183**	200.0	0	91.4	80	120	11/27/2023
Cobalt		1.0		**445**	500.0	0	88.9	80	120	11/21/2023
Lead		1.0		**457**	500.0	0	91.4	80	120	11/21/2023
Manganese		2.0		**499**	500.0	0	99.8	80	120	11/21/2023
Zinc		15.0		**464**	500.0	0	92.7	80	120	11/21/2023

Batch 214952 **SampType:** MS Units **µg/L**
SampID: 23110002-011CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**450**	500.0	0	90.0	75	125	11/22/2023
Arsenic		1.0		**498**	500.0	0	99.7	75	125	11/21/2023
Barium		1.0		**1930**	2000	53.88	93.7	75	125	11/21/2023
Boron		25.0		**491**	500.0	17.61	94.7	75	125	11/21/2023
Cadmium		1.0		**43.6**	50.00	0	87.2	75	125	11/21/2023
Chromium		1.5		**189**	200.0	0	94.6	75	125	11/28/2023
Cobalt		1.0		**461**	500.0	0	92.2	75	125	11/28/2023
Lead		1.0		**439**	500.0	1.290	87.6	75	125	11/21/2023
Manganese		2.0		**516**	500.0	27.00	97.8	75	125	11/21/2023
Zinc		15.0		**459**	500.0	12.58	89.3	75	125	11/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214952 **SampType:** MSD Units µg/L RPD Limit 20
SampID: 23110002-011CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**450**	500.0	0	89.9	450.2	0.11	11/22/2023
Arsenic		1.0		**513**	500.0	0	102.7	498.4	2.96	11/21/2023
Barium		1.0		**1990**	2000	53.88	96.9	1927	3.36	11/21/2023
Boron		25.0		**469**	500.0	17.61	90.2	491.1	4.65	11/21/2023
Cadmium		1.0		**44.0**	50.00	0	88.0	43.59	0.89	11/21/2023
Chromium		1.5		**195**	200.0	0	97.6	189.2	3.08	11/28/2023
Cobalt		1.0		**481**	500.0	0	96.3	461.1	4.31	11/28/2023
Lead		1.0		**469**	500.0	1.290	93.6	439.2	6.65	11/21/2023
Manganese		2.0		**532**	500.0	27.00	101.0	515.8	3.07	11/21/2023
Zinc		15.0		**472**	500.0	12.58	91.9	458.9	2.82	11/21/2023

Batch 214954 **SampType:** MBLK Units µg/L
SampID: MBLK-214954

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	11/22/2023
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/22/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/22/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/22/2023
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/22/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/22/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/22/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/22/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/22/2023
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	11/22/2023
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/22/2023
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/22/2023
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/22/2023
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/22/2023
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/22/2023
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/22/2023
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	11/22/2023
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/22/2023
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/22/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214954 **SampType:** LCS Units **µg/L**
SampID: LCS-214954

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1850**	2000	0	92.5	80	120	11/22/2023
Antimony		1.0		**454**	500.0	0	90.8	80	120	11/22/2023
Arsenic		1.0		**457**	500.0	0	91.5	80	120	11/22/2023
Barium		1.0		**1900**	2000	0	95.2	80	120	11/22/2023
Beryllium		1.0		**46.0**	50.00	0	91.9	80	120	11/22/2023
Boron		25.0		**547**	500.0	0	109.3	80	120	11/29/2023
Cadmium		1.0		**45.7**	50.00	0	91.3	80	120	11/22/2023
Chromium		1.5		**181**	200.0	0	90.7	80	120	11/22/2023
Cobalt		1.0		**461**	500.0	0	92.3	80	120	11/22/2023
Copper		1.0		**226**	250.0	0	90.4	80	120	11/22/2023
Iron		25.0		**1750**	2000	0	87.6	80	120	11/22/2023
Lead		1.0		**471**	500.0	0	94.3	80	120	11/22/2023
Manganese		2.0		**459**	500.0	0	91.8	80	120	11/22/2023
Molybdenum		1.5		**443**	500.0	0	88.5	80	120	11/22/2023
Nickel		1.0		**458**	500.0	0	91.7	80	120	11/22/2023
Selenium		1.0		**430**	500.0	0	86.1	80	120	11/22/2023
Silver		1.0		**47.7**	50.00	0	95.5	80	120	11/22/2023
Thallium		2.0		**229**	250.0	0	91.5	80	120	11/22/2023
Vanadium		5.0		**452**	500.0	0	90.4	80	120	11/22/2023
Zinc		15.0		**452**	500.0	0	90.4	80	120	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214954 **SampType:** MS Units **µg/L**
SampID: 23110002-025DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1740**	2000	0	87.2	75	125	11/22/2023
Antimony		1.0		**473**	500.0	0	94.7	75	125	11/22/2023
Arsenic		1.0		**457**	500.0	1.271	91.1	75	125	11/22/2023
Barium		1.0		**1870**	2000	51.26	90.8	75	125	11/22/2023
Beryllium		1.0		**46.9**	50.00	0	93.8	75	125	11/22/2023
Boron		25.0		**486**	500.0	0	97.2	75	125	11/29/2023
Cadmium		1.0		**43.9**	50.00	0	87.8	75	125	11/22/2023
Chromium		1.5		**174**	200.0	0	86.8	75	125	11/22/2023
Cobalt		1.0		**442**	500.0	0.1995	88.4	75	125	11/22/2023
Copper		1.0		**211**	250.0	0	84.6	75	125	11/22/2023
Iron		25.0		**2000**	2000	308.8	84.8	75	125	11/22/2023
Lead		1.0		**455**	500.0	0	91.0	75	125	11/22/2023
Manganese		2.0		**581**	500.0	156.1	84.9	75	125	11/22/2023
Molybdenum		1.5		**435**	500.0	0	87.1	75	125	11/22/2023
Nickel		1.0		**432**	500.0	0	86.3	75	125	11/22/2023
Selenium		1.0		**402**	500.0	0	80.3	75	125	11/22/2023
Silver		1.0		**45.1**	50.00	0	90.3	75	125	11/22/2023
Thallium		2.0		**218**	250.0	0	87.3	75	125	11/22/2023
Vanadium		5.0		**438**	500.0	0	87.6	75	125	11/22/2023
Zinc		15.0		**447**	500.0	0	89.4	75	125	11/23/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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

Batch 214954 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 23110002-025DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1720**	2000	0	85.8	1744	1.68	11/22/2023
Antimony		1.0		**475**	500.0	0	95.1	473.3	0.44	11/22/2023
Arsenic		1.0		**455**	500.0	1.271	90.8	456.6	0.26	11/22/2023
Barium		1.0		**1850**	2000	51.26	90.0	1867	0.78	11/22/2023
Beryllium		1.0		**44.3**	50.00	0	88.7	46.92	5.67	11/22/2023
Boron		25.0		**507**	500.0	0	101.3	486.0	4.17	11/29/2023
Cadmium		1.0		**43.9**	50.00	0	87.8	43.88	0.00	11/22/2023
Chromium		1.5		**170**	200.0	0	85.1	173.5	1.88	11/22/2023
Cobalt		1.0		**436**	500.0	0.1995	87.3	442.1	1.30	11/22/2023
Copper		1.0		**208**	250.0	0	83.0	211.4	1.88	11/22/2023
Iron		25.0		**2030**	2000	308.8	85.8	2004	1.07	11/22/2023
Lead		1.0		**454**	500.0	0	90.8	454.9	0.23	11/22/2023
Manganese		2.0		**574**	500.0	156.1	83.7	580.9	1.12	11/22/2023
Molybdenum		1.5		**431**	500.0	0	86.2	435.3	0.99	11/22/2023
Nickel		1.0		**425**	500.0	0	84.9	431.7	1.65	11/22/2023
Selenium		1.0		**402**	500.0	0	80.5	401.6	0.20	11/22/2023
Silver		1.0		**45.5**	50.00	0	91.1	45.14	0.89	11/22/2023
Thallium		2.0		**218**	250.0	0	87.3	218.4	0.08	11/22/2023
Vanadium		5.0		**433**	500.0	0	86.5	438.2	1.28	11/22/2023
Zinc		15.0		**410**	500.0	0	82.0	447.0	8.58	11/23/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214954 **SampType:** MS Units **µg/L**
SampID: 23110002-037DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1850**	2000	0	92.7	75	125	11/29/2023
Antimony		1.0		**493**	500.0	0	98.6	75	125	11/29/2023
Arsenic		1.0		**481**	500.0	0	96.1	75	125	11/28/2023
Barium		1.0		**1950**	2000	83.65	93.2	75	125	11/28/2023
Beryllium		1.0		**41.1**	50.00	0	82.2	75	125	11/28/2023
Boron		25.0		**564**	500.0	32.08	106.5	75	125	11/29/2023
Cadmium		1.0		**47.7**	50.00	0	95.4	75	125	11/28/2023
Chromium		1.5		**181**	200.0	0	90.3	75	125	11/28/2023
Cobalt		1.0		**453**	500.0	0.1871	90.5	75	125	11/28/2023
Copper		1.0		**217**	250.0	0.5466	86.6	75	125	11/28/2023
Iron		25.0		**2130**	2000	256.3	93.7	75	125	11/28/2023
Lead		1.0		**457**	500.0	0	91.3	75	125	11/28/2023
Manganese		2.0		**827**	500.0	383.7	88.6	75	125	11/28/2023
Molybdenum		1.5		**442**	500.0	0	88.4	75	125	11/28/2023
Nickel		1.0		**444**	500.0	0	88.8	75	125	11/28/2023
Selenium		1.0		**457**	500.0	0	91.4	75	125	11/28/2023
Silver		1.0		**46.4**	50.00	0	92.7	75	125	11/28/2023
Thallium		2.0		**218**	250.0	0	87.1	75	125	11/28/2023
Vanadium		5.0		**455**	500.0	0	91.1	75	125	11/28/2023
Zinc		15.0		**443**	500.0	0	88.6	75	125	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214954 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-037DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2020**	2000	0	101.1	1854	8.62	11/29/2023
Antimony		1.0		**486**	500.0	0	97.2	492.9	1.39	11/29/2023
Arsenic		1.0		**518**	500.0	0	103.6	480.7	7.48	11/28/2023
Barium		1.0		**1980**	2000	83.65	94.8	1947	1.62	11/28/2023
Beryllium		1.0		**42.7**	50.00	0	85.4	41.10	3.85	11/28/2023
Boron		25.0		**519**	500.0	32.08	97.5	564.5	8.30	11/29/2023
Cadmium		1.0		**51.0**	50.00	0	102.0	47.70	6.73	11/28/2023
Chromium		1.5		**189**	200.0	0	94.7	180.5	4.84	11/28/2023
Cobalt		1.0		**482**	500.0	0.1871	96.4	452.9	6.25	11/28/2023
Copper		1.0		**231**	250.0	0.5466	92.1	217.1	6.11	11/28/2023
Iron		25.0		**2250**	2000	256.3	99.7	2130	5.48	11/28/2023
Lead		1.0		**462**	500.0	0	92.3	456.7	1.07	11/28/2023
Manganese		2.0		**876**	500.0	383.7	98.5	826.7	5.81	11/28/2023
Molybdenum		1.5		**485**	500.0	0	97.1	442.2	9.32	11/28/2023
Nickel		1.0		**472**	500.0	0	94.5	443.9	6.23	11/28/2023
Selenium		1.0		**497**	500.0	0	99.3	456.8	8.38	11/28/2023
Silver		1.0		**50.7**	50.00	0	101.4	46.37	8.93	11/28/2023
Thallium		2.0		**234**	250.0	0	93.4	217.8	6.97	11/28/2023
Vanadium		5.0		**480**	500.0	0	96.1	455.3	5.35	11/28/2023
Zinc		15.0		**473**	500.0	0	94.6	442.8	6.59	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214955 **SampType:** MBLK Units **µg/L**
SampID: MBLK-214955

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	11/29/2023
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/21/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/21/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/27/2023
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/21/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/21/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/29/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/21/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/27/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/21/2023
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	11/29/2023
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/27/2023
Lead		1.0	S	**43.2**	0.6000	0	7196	-100	100	11/21/2023
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/27/2023
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/29/2023
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/27/2023
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/21/2023
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	11/21/2023
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/21/2023
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/21/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/27/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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

Batch 214955 **SampType:** LCS Units µg/L

SampID: LCS-214955

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2060**	2000	0	103.2	80	120	11/29/2023
Antimony		1.0		**450**	500.0	0	90.0	80	120	11/22/2023
Arsenic		1.0		**511**	500.0	0	102.3	80	120	11/21/2023
Barium		1.0		**1900**	2000	0	94.8	80	120	11/27/2023
Beryllium		1.0		**42.6**	50.00	0	85.2	80	120	11/21/2023
Boron		25.0		**454**	500.0	0	90.7	80	120	11/21/2023
Boron		25.0		**503**	500.0	0	100.6	80	120	11/29/2023
Cadmium		1.0		**43.8**	50.00	0	87.5	80	120	11/21/2023
Chromium		1.5		**186**	200.0	0	92.9	80	120	11/27/2023
Cobalt		1.0		**466**	500.0	0	93.2	80	120	11/21/2023
Copper		1.0		**236**	250.0	0	94.5	80	120	11/29/2023
Iron		25.0		**1900**	2000	0	95.0	80	120	11/27/2023
Lead		1.0	B	**451**	500.0	0	90.2	80	120	11/21/2023
Manganese		2.0		**477**	500.0	0	95.5	80	120	11/27/2023
Molybdenum		1.5		**461**	500.0	0	92.2	80	120	11/29/2023
Nickel		1.0		**470**	500.0	0	94.0	80	120	11/27/2023
Selenium		1.0		**469**	500.0	0	93.8	80	120	11/22/2023
Silver		1.0		**43.2**	50.00	0	86.4	80	120	11/21/2023
Thallium		2.0		**225**	250.0	0	89.8	80	120	11/21/2023
Vanadium		5.0		**455**	500.0	0	90.9	80	120	11/27/2023
Zinc		15.0		**469**	500.0	0	93.8	80	120	11/27/2023

Batch 214955 **SampType:** MS Units µg/L

SampID: 23110002-097CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**457**	500.0	0	91.4	75	125	11/22/2023
Arsenic		1.0		**518**	500.0	0.5026	103.6	75	125	11/21/2023
Barium		1.0		**2020**	2000	69.90	97.3	75	125	11/28/2023
Boron		25.0		**465**	500.0	24.63	88.1	75	125	11/21/2023
Cadmium		1.0		**45.2**	50.00	0	90.5	75	125	11/21/2023
Chromium		1.5		**194**	200.0	0	97.0	75	125	11/28/2023
Cobalt		1.0		**441**	500.0	0	88.2	75	125	11/21/2023
Lead		1.0	B	**459**	500.0	0	91.8	75	125	11/21/2023
Manganese		2.0		**522**	500.0	35.72	97.2	75	125	11/28/2023
Zinc		15.0		**477**	500.0	0	95.4	75	125	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214955 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-097CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**442**	500.0	0	88.3	456.8	3.35	11/22/2023
Arsenic		1.0		**504**	500.0	0.5026	100.7	518.4	2.86	11/21/2023
Barium		1.0		**2060**	2000	69.90	99.7	2016	2.38	11/28/2023
Boron		25.0		**511**	500.0	24.63	97.2	465.3	9.26	11/21/2023
Cadmium		1.0		**43.5**	50.00	0	87.0	45.24	3.93	11/21/2023
Chromium		1.5		**203**	200.0	0	101.3	193.9	4.36	11/28/2023
Cobalt		1.0		**438**	500.0	0	87.6	441.1	0.73	11/21/2023
Lead		1.0	B	**469**	500.0	0	93.7	459.1	2.05	11/21/2023
Manganese		2.0		**545**	500.0	35.72	101.8	521.6	4.35	11/28/2023
Zinc		15.0		**522**	500.0	0	104.3	476.8	8.98	11/28/2023

Batch 214955 **SampType:** MS Units **µg/L**
SampID: 23110394-004CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**488**	500.0	0.9403	97.4	75	125	11/22/2023
Lead		1.0	B	**477**	500.0	0	95.4	75	125	11/21/2023

Batch 214955 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110394-004CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**494**	500.0	0.9403	98.5	488.0	1.15	11/22/2023
Lead		1.0	B	**467**	500.0	0	93.3	476.8	2.14	11/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215051 **SampType:** MBLK Units µg/L
SampID: MBLK-215051

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	11/29/2023
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/27/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/27/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/27/2023
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/27/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/27/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/27/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/29/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/29/2023
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	11/27/2023
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/30/2023
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/27/2023
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/30/2023
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/27/2023
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/27/2023
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/27/2023
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	11/27/2023
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/27/2023
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/27/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215051 **SampType:** LCS Units µg/L
SampID: LCS-215051

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2190**	2000	0	109.6	80	120	11/29/2023
Antimony		1.0		**443**	500.0	0	88.7	80	120	11/27/2023
Arsenic		1.0		**465**	500.0	0	93.1	80	120	11/27/2023
Barium		1.0		**1870**	2000	0	93.6	80	120	11/27/2023
Beryllium		1.0		**47.2**	50.00	0	94.4	80	120	11/27/2023
Boron		25.0		**458**	500.0	0	91.6	80	120	11/27/2023
Cadmium		1.0		**45.9**	50.00	0	91.8	80	120	11/27/2023
Chromium		1.5		**191**	200.0	0	95.7	80	120	11/29/2023
Cobalt		1.0		**471**	500.0	0	94.2	80	120	11/29/2023
Copper		1.0		**237**	250.0	0	94.7	80	120	11/27/2023
Iron		25.0		**2130**	2000	0	106.3	80	120	11/30/2023
Lead		1.0		**446**	500.0	0	89.2	80	120	11/27/2023
Manganese		2.0		**472**	500.0	0	94.4	80	120	11/30/2023
Molybdenum		1.5		**455**	500.0	0	90.9	80	120	11/29/2023
Nickel		1.0		**472**	500.0	0	94.4	80	120	11/27/2023
Selenium		1.0		**451**	500.0	0	90.2	80	120	11/27/2023
Silver		1.0		**46.2**	50.00	0	92.3	80	120	11/27/2023
Thallium		2.0		**238**	250.0	0	95.1	80	120	11/27/2023
Vanadium		5.0		**463**	500.0	0	92.7	80	120	11/27/2023
Zinc		15.0		**455**	500.0	0	91.1	80	120	11/27/2023

Batch 215051 **SampType:** MS Units µg/L
SampID: 23110002-074CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1820**	2000	13.89	90.4	75	125	11/29/2023
Arsenic		1.0		**477**	500.0	1.320	95.1	75	125	11/27/2023
Boron		25.0	S	**4160**	500.0	5028	-174.1	75	125	11/27/2023
Copper		1.0		**215**	250.0	0	86.1	75	125	11/27/2023
Iron		500	S	**91900**	2000	95180	-163.6	75	125	12/04/2023
Lead		1.0		**459**	500.0	0	91.8	75	125	11/27/2023
Manganese		40.0	S	**23900**	500.0	24540	-126.0	75	125	12/04/2023
Nickel		1.0		**478**	500.0	65.84	82.4	75	125	11/27/2023
Silver		1.0		**40.4**	50.00	0	80.7	75	125	11/27/2023
Vanadium		5.0		**455**	500.0	0	91.0	75	125	11/27/2023
Zinc		15.0		**461**	500.0	26.31	87.0	75	125	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215051 **SampType:** MSD Units µg/L RPD Limit 20
SampID: 23110002-074CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1800**	2000	13.89	89.2	1822	1.30	11/29/2023
Arsenic		1.0		**463**	500.0	1.320	92.2	476.8	3.03	11/27/2023
Boron		25.0	S	**4000**	500.0	5028	-205.0	4157	3.79	11/27/2023
Copper		1.0		**211**	250.0	0	84.5	215.3	1.89	11/27/2023
Iron		500	S	**92000**	2000	95180	-159.7	91910	0.08	12/04/2023
Lead		1.0		**448**	500.0	0	89.6	459.2	2.53	11/27/2023
Manganese		40.0	S	**24000**	500.0	24540	-104.1	23910	0.46	12/04/2023
Nickel		1.0		**478**	500.0	65.84	82.4	478.0	0.01	11/27/2023
Silver		1.0		**41.3**	50.00	0	82.6	40.37	2.27	11/27/2023
Vanadium		5.0		**448**	500.0	0	89.7	455.0	1.46	11/27/2023
Zinc		15.0		**443**	500.0	26.31	83.4	461.3	4.03	11/27/2023

Batch 215051 **SampType:** MS Units µg/L
SampID: 23111606-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**467**	500.0	2.023	93.0	75	125	11/27/2023
Cadmium		1.0		**43.5**	50.00	0	87.0	75	125	11/27/2023
Chromium		1.5		**201**	200.0	1.371	99.9	75	125	11/29/2023
Copper		1.0		**216**	250.0	1.112	86.1	75	125	11/27/2023
Manganese		2.0		**571**	500.0	115.8	91.1	75	125	11/30/2023

Batch 215051 **SampType:** MSD Units µg/L RPD Limit 20
SampID: 23111606-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**453**	500.0	2.023	90.3	466.9	2.94	11/27/2023
Cadmium		1.0		**42.5**	50.00	0	85.0	43.51	2.31	11/27/2023
Chromium		1.5		**186**	200.0	1.371	92.2	201.2	7.94	11/29/2023
Copper		1.0		**211**	250.0	1.112	83.9	216.5	2.59	11/27/2023
Manganese		2.0		**572**	500.0	115.8	91.3	571.2	0.18	11/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215761 **SampType:** MBLK Units µg/L
SampID: MBLK-215761

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	12/14/2023
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	12/14/2023
Barium		1.0		< 1.0	0.7000	0	0	-100	100	12/12/2023
Boron		25.0		< 25.0	9.250	0	0	-100	100	12/14/2023
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	12/14/2023
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	12/14/2023
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	12/14/2023
Lead		1.0		< 1.0	0.6000	0	0	-100	100	12/12/2023
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	12/14/2023
Zinc		15.0		< 15.0	5.900	0	0	-100	100	12/14/2023

Batch 215761 **SampType:** LCS Units µg/L
SampID: LCS-215761

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		483	500.0	0	96.6	80	120	12/14/2023
Arsenic		1.0		521	500.0	0	104.2	80	120	12/14/2023
Boron		25.0		453	500.0	0	90.5	80	120	12/14/2023
Cadmium		1.0		48.3	50.00	0	96.6	80	120	12/14/2023
Chromium		1.5		193	200.0	0	96.4	80	120	12/14/2023
Cobalt		1.0		477	500.0	0	95.5	80	120	12/14/2023
Manganese		2.0		498	500.0	0	99.7	80	120	12/14/2023
Zinc		15.0		446	500.0	0	89.2	80	120	12/14/2023

Batch 216240 **SampType:** MBLK Units µg/L
SampID: MBLK-216240

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		< 25.0	9.250	0	0	-100	100	12/21/2023
Zinc		15.0		< 15.0	5.900	0	0	-100	100	12/21/2023

Batch 216240 **SampType:** LCS Units µg/L
SampID: LCS-216240

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		408	500.0	0	81.5	80	120	12/21/2023
Zinc		15.0		422	500.0	0	84.4	80	120	12/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 216240 **SampType:** DUP Units **µg/L** RPD Limit **20**
SampID: 23110002-036DDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0		**997**				968.1	2.90	12/22/2023

Batch 216240 **SampType:** DUP Units **µg/L** RPD Limit **20**
SampID: 23110002-049DDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0		**7060**				6773	4.20	12/22/2023

Batch 216240 **SampType:** DUP Units **µg/L** RPD Limit **20**
SampID: 23110002-105DDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0		**1340**				1208	10.45	12/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214894 **SampType:** MBLK Units **µg/L**
SampID: MBLK-214894

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	11/21/2023
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/20/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/20/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/20/2023
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/21/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/22/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/20/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/20/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/20/2023
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/20/2023
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/21/2023
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/20/2023
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/22/2023
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/20/2023
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/20/2023
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/20/2023
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/20/2023
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/20/2023
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/20/2023
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/20/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214894 **SampType:** LCS Units **µg/L**
SampID: LCS-214894

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1980**	2000	0	99.0	80	120	11/21/2023
Antimony		1.0		**543**	500.0	0	108.7	80	120	11/20/2023
Arsenic		1.0		**560**	500.0	0	112.0	80	120	11/20/2023
Barium		1.0		**2130**	2000	0	106.6	80	120	11/20/2023
Beryllium		1.0		**48.9**	50.00	0	97.8	80	120	11/21/2023
Boron		25.0		**473**	500.0	0	94.6	80	120	11/21/2023
Cadmium		1.0		**53.7**	50.00	0	107.4	80	120	11/20/2023
Chromium		1.5		**218**	200.0	0	109.1	80	120	11/20/2023
Cobalt		1.0		**568**	500.0	0	113.6	80	120	11/20/2023
Copper		1.0		**276**	250.0	0	110.3	80	120	11/20/2023
Iron		25.0		**2020**	2000	0	101.2	80	120	11/21/2023
Lead		1.0		**539**	500.0	0	107.7	80	120	11/20/2023
Lithium	*	3.0		**514**	500.0	0	102.7	80	120	11/21/2023
Manganese		2.0		**533**	500.0	0	106.6	80	120	11/20/2023
Molybdenum		1.5		**530**	500.0	0	106.1	80	120	11/20/2023
Nickel		1.0		**557**	500.0	0	111.3	80	120	11/20/2023
Selenium		1.0		**517**	500.0	0	103.5	80	120	11/20/2023
Silver		1.0		**48.4**	50.00	0	96.7	80	120	11/20/2023
Thallium		2.0		**254**	250.0	0	101.4	80	120	11/20/2023
Vanadium		5.0		**538**	500.0	0	107.5	80	120	11/20/2023
Zinc		15.0		**496**	500.0	0	99.2	80	120	11/20/2023

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

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

Batch 214894 **SampType:** MS Units **µg/L**

SampID: 23110002-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2720**	2000	579.0	107.1	75	125	11/21/2023
Antimony		1.0		**573**	500.0	0	114.7	75	125	11/20/2023
Arsenic		1.0		**577**	500.0	0.6263	115.4	75	125	11/20/2023
Barium		1.0		**2240**	2000	68.23	108.6	75	125	11/20/2023
Beryllium		1.0		**52.8**	50.00	0	105.7	75	125	11/21/2023
Boron		25.0		**541**	500.0	11.55	106.0	75	125	11/22/2023
Cadmium		1.0		**55.0**	50.00	0	110.0	75	125	11/20/2023
Chromium		1.5		**221**	200.0	2.530	109.1	75	125	11/20/2023
Cobalt		1.0		**565**	500.0	0.3390	112.9	75	125	11/20/2023
Copper		1.0		**272**	250.0	1.353	108.1	75	125	11/20/2023
Iron		25.0		**2680**	2000	638.1	102.0	75	125	11/21/2023
Lead		1.0		**564**	500.0	0	112.9	75	125	11/20/2023
Manganese		2.0		**579**	500.0	44.75	106.9	75	125	11/20/2023
Molybdenum		1.5		**556**	500.0	0.7084	111.1	75	125	11/20/2023
Nickel		1.0		**542**	500.0	1.553	108.0	75	125	11/20/2023
Selenium		1.0		**535**	500.0	1.510	106.7	75	125	11/20/2023
Silver		1.0		**49.0**	50.00	0	98.1	75	125	11/20/2023
Thallium		2.0		**273**	250.0	0	109.1	75	125	11/20/2023
Vanadium		5.0		**547**	500.0	0	109.4	75	125	11/20/2023
Zinc		15.0		**506**	500.0	0	101.2	75	125	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214894 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2600**	2000	579.0	101.2	2722	4.42	11/21/2023
Antimony		1.0		**552**	500.0	0	110.5	573.5	3.76	11/20/2023
Arsenic		1.0		**560**	500.0	0.6263	111.8	577.5	3.16	11/20/2023
Barium		1.0		**2170**	2000	68.23	105.3	2239	2.94	11/20/2023
Beryllium		1.0		**51.7**	50.00	0	103.3	52.84	2.24	11/21/2023
Boron		25.0		**551**	500.0	11.55	108.0	541.4	1.83	11/22/2023
Cadmium		1.0		**53.5**	50.00	0	106.9	54.99	2.82	11/20/2023
Chromium		1.5		**215**	200.0	2.530	106.0	220.8	2.87	11/20/2023
Cobalt		1.0		**536**	500.0	0.3390	107.1	565.1	5.27	11/20/2023
Copper		1.0		**261**	250.0	1.353	103.9	271.5	3.94	11/20/2023
Iron		25.0		**2560**	2000	638.1	95.9	2678	4.68	11/21/2023
Lead		1.0		**539**	500.0	0	107.8	564.5	4.65	11/20/2023
Manganese		2.0		**559**	500.0	44.75	102.8	579.4	3.64	11/20/2023
Molybdenum		1.5		**536**	500.0	0.7084	107.1	556.3	3.70	11/20/2023
Nickel		1.0		**529**	500.0	1.553	105.4	541.8	2.46	11/20/2023
Selenium		1.0		**516**	500.0	1.510	102.9	535.1	3.68	11/20/2023
Silver		1.0		**47.0**	50.00	0	93.9	49.03	4.34	11/20/2023
Thallium		2.0		**261**	250.0	0	104.4	272.8	4.39	11/20/2023
Vanadium		5.0		**530**	500.0	0	105.9	546.9	3.21	11/20/2023
Zinc		15.0		**491**	500.0	0	98.3	506.1	2.95	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214894 **SampType:** MS Units **µg/L**
SampID: 23110002-025CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1990**	2000	56.37	96.6	75	125	11/21/2023
Antimony		1.0		**582**	500.0	0	116.3	75	125	11/20/2023
Arsenic		1.0		**545**	500.0	1.621	108.7	75	125	11/20/2023
Barium		1.0		**2220**	2000	53.41	108.4	75	125	11/20/2023
Beryllium		1.0		**52.6**	50.00	0	105.2	75	125	11/21/2023
Boron		25.0		**510**	500.0	0	102.0	75	125	11/22/2023
Cadmium		1.0		**55.5**	50.00	0	111.0	75	125	11/20/2023
Chromium		1.5		**205**	200.0	0	102.7	75	125	11/20/2023
Cobalt		1.0		**526**	500.0	0.2304	105.1	75	125	11/20/2023
Copper		1.0		**255**	250.0	0.7009	101.6	75	125	11/20/2023
Iron		25.0		**2390**	2000	461.5	96.3	75	125	11/21/2023
Lead		1.0		**547**	500.0	0	109.5	75	125	11/20/2023
Lithium	*	3.0		**517**	500.0	2.770	102.9	75	125	11/22/2023
Manganese		2.0		**719**	500.0	229.8	97.8	75	125	11/20/2023
Molybdenum		1.5		**534**	500.0	0	106.9	75	125	11/20/2023
Nickel		1.0		**511**	500.0	1.073	102.1	75	125	11/20/2023
Selenium		1.0		**491**	500.0	0	98.1	75	125	11/20/2023
Silver		1.0		**48.7**	50.00	0	97.4	75	125	11/20/2023
Thallium		2.0		**266**	250.0	0	106.3	75	125	11/20/2023
Vanadium		5.0		**512**	500.0	0	102.4	75	125	11/20/2023
Zinc		15.0		**475**	500.0	0	94.9	75	125	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214894 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-025CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2000**	2000	56.37	97.2	1988	0.60	11/21/2023
Antimony		1.0		**560**	500.0	0	112.1	581.6	3.71	11/20/2023
Arsenic		1.0		**543**	500.0	1.621	108.3	545.3	0.42	11/20/2023
Barium		1.0		**2150**	2000	53.41	104.9	2221	3.18	11/20/2023
Beryllium		1.0		**51.5**	50.00	0	103.1	52.61	2.07	11/21/2023
Boron		25.0		**529**	500.0	0	105.8	510.0	3.66	11/22/2023
Cadmium		1.0		**53.0**	50.00	0	106.0	55.48	4.58	11/20/2023
Chromium		1.5		**201**	200.0	0	100.7	205.4	1.95	11/20/2023
Cobalt		1.0		**513**	500.0	0.2304	102.5	525.5	2.50	11/20/2023
Copper		1.0		**248**	250.0	0.7009	98.8	254.6	2.73	11/20/2023
Iron		25.0		**2460**	2000	461.5	99.7	2388	2.79	11/21/2023
Lead		1.0		**540**	500.0	0	108.0	547.3	1.38	11/20/2023
Lithium	*	3.0		**528**	500.0	2.770	105.0	517.4	1.94	11/22/2023
Manganese		2.0		**726**	500.0	229.8	99.3	719.0	1.00	11/20/2023
Molybdenum		1.5		**525**	500.0	0	105.0	534.3	1.78	11/20/2023
Nickel		1.0		**501**	500.0	1.073	100.1	511.3	1.97	11/20/2023
Selenium		1.0		**478**	500.0	0	95.7	490.6	2.54	11/20/2023
Silver		1.0		**47.3**	50.00	0	94.6	48.72	2.97	11/20/2023
Thallium		2.0		**263**	250.0	0	105.2	265.8	1.07	11/20/2023
Vanadium		5.0		**500**	500.0	0	99.9	512.2	2.47	11/20/2023
Zinc		15.0		**464**	500.0	0	92.8	474.5	2.24	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214896 **SampType:** MBLK Units µg/L
SampID: MBLK-214896

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/30/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/30/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/30/2023
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	12/01/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/30/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	12/01/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/30/2023
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/30/2023
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	12/01/2023
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/30/2023
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/30/2023
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/30/2023
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/30/2023
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/30/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/30/2023

Batch 214896 **SampType:** LCS Units µg/L
SampID: LCS-214896

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**567**	500.0	0	113.5	80	120	11/30/2023
Arsenic		1.0		**565**	500.0	0	112.9	80	120	11/30/2023
Barium		1.0		**2240**	2000	0	112.2	80	120	11/30/2023
Beryllium		1.0		**55.8**	50.00	0	111.6	80	120	12/01/2023
Cadmium		1.0		**54.8**	50.00	0	109.7	80	120	11/30/2023
Chromium		1.5		**220**	200.0	0	109.8	80	120	12/01/2023
Cobalt		1.0		**539**	500.0	0	107.8	80	120	11/30/2023
Copper		1.0		**271**	250.0	0	108.5	80	120	11/30/2023
Iron		25.0		**2200**	2000	0	110.0	80	120	12/01/2023
Nickel		1.0		**569**	500.0	0	113.8	80	120	11/30/2023
Selenium		1.0		**535**	500.0	0	106.9	80	120	11/30/2023
Silver		1.0		**57.5**	50.00	0	114.9	80	120	11/30/2023
Thallium		2.0		**277**	250.0	0	110.6	80	120	11/30/2023
Vanadium		5.0		**539**	500.0	0	107.9	80	120	11/30/2023
Zinc		15.0		**518**	500.0	0	103.6	80	120	11/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214896 **SampType:** MS Units **µg/L**
SampID: 23110002-107CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		25.0		**5700**	2000	3341	117.7	75	125	12/01/2023

Batch 214896 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-107CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		25.0		**5490**	2000	3341	107.2	5695	3.76	12/01/2023

Batch 214904 **SampType:** MBLK Units **µg/L**
SampID: MBLK-214904

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	11/21/2023
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/20/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/20/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/20/2023
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/21/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/22/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/20/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/20/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/20/2023
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/20/2023
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/21/2023
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/20/2023
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/22/2023
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/20/2023
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/20/2023
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/20/2023
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/20/2023
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/20/2023
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/20/2023
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/20/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214904 **SampType:** LCS Units **µg/L**
SampID: LCS-214904

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1960**	2000	0	98.1	80	120	11/21/2023
Antimony		1.0		**556**	500.0	0	111.2	80	120	11/20/2023
Arsenic		1.0		**568**	500.0	0	113.5	80	120	11/20/2023
Barium		1.0		**2140**	2000	0	107.2	80	120	11/20/2023
Beryllium		1.0		**49.9**	50.00	0	99.9	80	120	11/21/2023
Boron		25.0		**507**	500.0	0	101.5	80	120	11/27/2023
Cadmium		1.0		**53.8**	50.00	0	107.7	80	120	11/20/2023
Chromium		1.5		**217**	200.0	0	108.3	80	120	11/20/2023
Cobalt		1.0		**559**	500.0	0	111.9	80	120	11/20/2023
Copper		1.0		**276**	250.0	0	110.5	80	120	11/20/2023
Iron		25.0		**1910**	2000	0	95.6	80	120	11/21/2023
Lead		1.0		**544**	500.0	0	108.7	80	120	11/20/2023
Lithium	*	3.0		**541**	500.0	0	108.2	80	120	11/22/2023
Manganese		2.0		**542**	500.0	0	108.5	80	120	11/20/2023
Molybdenum		1.5		**529**	500.0	0	105.8	80	120	11/20/2023
Nickel		1.0		**554**	500.0	0	110.7	80	120	11/20/2023
Selenium		1.0		**525**	500.0	0	105.0	80	120	11/20/2023
Silver		1.0		**49.0**	50.00	0	98.1	80	120	11/20/2023
Thallium		2.0		**262**	250.0	0	104.8	80	120	11/20/2023
Vanadium		5.0		**533**	500.0	0	106.7	80	120	11/20/2023
Zinc		15.0		**505**	500.0	0	101.1	80	120	11/20/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214920 **SampType:** MBLK Units **µg/L**
SampID: MBLK-214920

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	11/21/2023
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/21/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/21/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/21/2023
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/21/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/22/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/21/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/21/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/21/2023
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/21/2023
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/21/2023
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/21/2023
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/22/2023
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/21/2023
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/21/2023
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/21/2023
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/21/2023
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/21/2023
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/21/2023
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/21/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214920 **SampType:** LCS Units **µg/L**
SampID: LCS-214920

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1970**	2000	0	98.4	80	120	11/21/2023
Antimony		1.0		**529**	500.0	0	105.9	80	120	11/21/2023
Arsenic		1.0		**496**	500.0	0	99.1	80	120	11/21/2023
Barium		1.0		**2080**	2000	0	104.1	80	120	11/21/2023
Beryllium		1.0		**50.8**	50.00	0	101.7	80	120	11/21/2023
Boron		25.0		**521**	500.0	0	104.2	80	120	11/22/2023
Cadmium		1.0		**50.2**	50.00	0	100.4	80	120	11/21/2023
Chromium		1.5		**198**	200.0	0	99.2	80	120	11/21/2023
Cobalt		1.0		**499**	500.0	0	99.8	80	120	11/21/2023
Copper		1.0		**246**	250.0	0	98.3	80	120	11/21/2023
Iron		25.0		**1910**	2000	0	95.5	80	120	11/21/2023
Lead		1.0		**520**	500.0	0	104.0	80	120	11/21/2023
Lithium	*	3.0		**537**	500.0	0	107.3	80	120	11/22/2023
Manganese		2.0		**502**	500.0	0	100.4	80	120	11/21/2023
Molybdenum		1.5		**488**	500.0	0	97.6	80	120	11/21/2023
Nickel		1.0		**502**	500.0	0	100.4	80	120	11/21/2023
Selenium		1.0		**471**	500.0	0	94.2	80	120	11/21/2023
Silver		1.0		**52.9**	50.00	0	105.8	80	120	11/21/2023
Thallium		2.0		**249**	250.0	0	99.6	80	120	11/21/2023
Vanadium		5.0		**495**	500.0	0	99.0	80	120	11/21/2023
Zinc		15.0		**521**	500.0	0	104.1	80	120	11/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214920 **SampType:** MS Units **µg/L**
SampID: 23110002-037CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1970**	2000	84.12	94.4	75	125	11/22/2023
Antimony		1.0		**550**	500.0	0	110.0	75	125	11/22/2023
Arsenic		1.0		**511**	500.0	0.4772	102.1	75	125	11/22/2023
Barium		1.0		**2160**	2000	127.3	101.5	75	125	11/22/2023
Beryllium		1.0		**51.9**	50.00	0	103.7	75	125	11/22/2023
Boron		25.0		**540**	500.0	15.05	105.0	75	125	11/23/2023
Cadmium		1.0		**50.4**	50.00	0	100.8	75	125	11/22/2023
Chromium		1.5		**192**	200.0	0	95.9	75	125	11/22/2023
Cobalt		1.0		**481**	500.0	0.5068	96.2	75	125	11/22/2023
Copper		1.0		**233**	250.0	0.7327	93.0	75	125	11/22/2023
Iron		25.0		**2590**	2000	985.0	80.2	75	125	11/22/2023
Lead		1.0		**517**	500.0	0	103.3	75	125	11/22/2023
Lithium	*	3.0		**543**	500.0	3.483	107.9	75	125	11/23/2023
Manganese		2.0		**943**	500.0	409.6	106.7	75	125	11/23/2023
Molybdenum		1.5		**501**	500.0	0	100.2	75	125	11/22/2023
Nickel		1.0		**478**	500.0	1.001	95.3	75	125	11/22/2023
Selenium		1.0		**474**	500.0	0	94.9	75	125	11/22/2023
Silver		1.0		**52.1**	50.00	0	104.1	75	125	11/22/2023
Thallium		2.0		**248**	250.0	0	99.0	75	125	11/22/2023
Vanadium		5.0		**495**	500.0	0	99.1	75	125	11/22/2023
Zinc		15.0		**516**	500.0	0	103.2	75	125	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214920 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-037CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2000**	2000	84.12	95.6	1972	1.19	11/22/2023
Antimony		1.0		**542**	500.0	0	108.4	550.0	1.50	11/22/2023
Arsenic		1.0		**521**	500.0	0.4772	104.1	510.9	2.01	11/22/2023
Barium		1.0		**2130**	2000	127.3	100.3	2157	1.16	11/22/2023
Beryllium		1.0		**52.6**	50.00	0	105.2	51.87	1.35	11/22/2023
Boron		25.0		**542**	500.0	15.05	105.4	540.1	0.38	11/23/2023
Cadmium		1.0		**50.5**	50.00	0	101.0	50.40	0.16	11/22/2023
Chromium		1.5		**194**	200.0	0	96.9	191.7	1.08	11/22/2023
Cobalt		1.0		**488**	500.0	0.5068	97.5	481.4	1.33	11/22/2023
Copper		1.0		**236**	250.0	0.7327	94.3	233.3	1.33	11/22/2023
Iron		25.0		**2630**	2000	985.0	82.4	2590	1.64	11/22/2023
Lead		1.0		**507**	500.0	0	101.5	516.7	1.80	11/22/2023
Lithium	*	3.0		**540**	500.0	3.483	107.2	543.1	0.65	11/23/2023
Manganese		2.0		**964**	500.0	409.6	110.9	943.0	2.20	11/23/2023
Molybdenum		1.5		**505**	500.0	0	101.0	501.1	0.77	11/22/2023
Nickel		1.0		**485**	500.0	1.001	96.9	477.6	1.62	11/22/2023
Selenium		1.0		**482**	500.0	0	96.3	474.5	1.47	11/22/2023
Silver		1.0		**50.3**	50.00	0	100.7	52.07	3.40	11/22/2023
Thallium		2.0		**248**	250.0	0	99.3	247.6	0.30	11/22/2023
Vanadium		5.0		**503**	500.0	0	100.7	495.4	1.60	11/22/2023
Zinc		15.0		**511**	500.0	0	102.3	516.0	0.88	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214920 **SampType:** MS Units **µg/L**
SampID: 23110002-107CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2370**	2000	448.0	96.0	75	125	11/22/2023
Antimony		1.0		**567**	500.0	0	113.4	75	125	11/22/2023
Arsenic		1.0		**510**	500.0	2.486	101.4	75	125	11/22/2023
Barium		1.0		**2170**	2000	76.66	104.9	75	125	11/22/2023
Beryllium		1.0		**54.2**	50.00	0	108.4	75	125	11/22/2023
Boron		25.0		**553**	500.0	0	110.6	75	125	11/23/2023
Cadmium		1.0		**52.1**	50.00	0	104.3	75	125	11/22/2023
Chromium		1.5		**195**	200.0	1.164	96.7	75	125	11/22/2023
Cobalt		1.0		**482**	500.0	0.6187	96.2	75	125	11/22/2023
Copper		1.0		**234**	250.0	2.760	92.5	75	125	11/22/2023
Lead		1.0		**524**	500.0	0	104.9	75	125	11/22/2023
Lithium	*	3.0		**568**	500.0	3.120	112.9	75	125	11/23/2023
Manganese		2.0		**777**	500.0	338.9	87.5	75	125	11/22/2023
Molybdenum		1.5		**507**	500.0	0.7562	101.2	75	125	11/22/2023
Nickel		1.0		**476**	500.0	1.103	94.9	75	125	11/22/2023
Selenium		1.0		**475**	500.0	0	94.9	75	125	11/22/2023
Silver		1.0		**52.5**	50.00	0	104.9	75	125	11/22/2023
Thallium		2.0		**248**	250.0	0	99.2	75	125	11/22/2023
Vanadium		5.0		**498**	500.0	0	99.6	75	125	11/22/2023
Zinc		15.0		**516**	500.0	5.914	101.9	75	125	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214920 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-107CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2330**	2000	448.0	94.1	2368	1.65	11/22/2023
Antimony		1.0		**556**	500.0	0	111.1	566.9	1.99	11/22/2023
Arsenic		1.0		**517**	500.0	2.486	102.9	509.5	1.43	11/22/2023
Barium		1.0		**2140**	2000	76.66	103.1	2175	1.65	11/22/2023
Beryllium		1.0		**54.2**	50.00	0	108.4	54.21	0.01	11/22/2023
Boron		25.0		**533**	500.0	0	106.6	552.9	3.63	11/23/2023
Cadmium		1.0		**51.6**	50.00	0	103.1	52.14	1.11	11/22/2023
Chromium		1.5		**197**	200.0	1.164	97.7	194.5	1.08	11/22/2023
Cobalt		1.0		**486**	500.0	0.6187	97.0	481.8	0.83	11/22/2023
Copper		1.0		**238**	250.0	2.760	94.0	233.9	1.61	11/22/2023
Lead		1.0		**527**	500.0	0	105.5	524.3	0.60	11/22/2023
Lithium	*	3.0		**541**	500.0	3.120	107.6	567.5	4.73	11/23/2023
Manganese		2.0		**777**	500.0	338.9	87.7	776.5	0.12	11/22/2023
Molybdenum		1.5		**508**	500.0	0.7562	101.4	506.8	0.20	11/22/2023
Nickel		1.0		**483**	500.0	1.103	96.4	475.6	1.58	11/22/2023
Selenium		1.0		**478**	500.0	0	95.6	474.5	0.75	11/22/2023
Silver		1.0		**51.7**	50.00	0	103.3	52.46	1.50	11/22/2023
Thallium		2.0		**256**	250.0	0	102.4	248.1	3.17	11/22/2023
Vanadium		5.0		**504**	500.0	0	100.8	498.0	1.17	11/22/2023
Zinc		15.0		**520**	500.0	5.914	102.9	515.6	0.88	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214922 **SampType:** MBLK Units **µg/L**
SampID: MBLK-214922

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	11/29/2023
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/29/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/22/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/22/2023
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/22/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/22/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/22/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/27/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/29/2023
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/29/2023
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/29/2023
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/22/2023
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/22/2023
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/29/2023
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/27/2023
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/29/2023
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/22/2023
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/22/2023
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/22/2023
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214922 **SampType:** LCS Units **µg/L**
SampID: LCS-214922

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1960**	2000	0	97.9	80	120	11/29/2023
Antimony		1.0		**518**	500.0	0	103.6	80	120	11/22/2023
Arsenic		1.0		**522**	500.0	0	104.3	80	120	11/22/2023
Barium		1.0		**2070**	2000	0	103.4	80	120	11/22/2023
Beryllium		1.0		**48.1**	50.00	0	96.2	80	120	11/22/2023
Boron		25.0		**537**	500.0	0	107.4	80	120	11/30/2023
Cadmium		1.0		**50.6**	50.00	0	101.3	80	120	11/22/2023
Chromium		1.5		**219**	200.0	0	109.6	80	120	11/27/2023
Cobalt		1.0		**528**	500.0	0	105.5	80	120	11/29/2023
Copper		1.0		**260**	250.0	0	104.0	80	120	11/29/2023
Iron		25.0		**2020**	2000	0	101.0	80	120	11/22/2023
Lead		1.0		**506**	500.0	0	101.2	80	120	11/22/2023
Lithium	*	3.0		**509**	500.0	0	101.8	80	120	11/22/2023
Manganese		2.0		**504**	500.0	0	100.7	80	120	11/29/2023
Molybdenum		1.5		**526**	500.0	0	105.2	80	120	11/27/2023
Nickel		1.0		**518**	500.0	0	103.6	80	120	11/29/2023
Selenium		1.0		**477**	500.0	0	95.3	80	120	11/22/2023
Silver		1.0		**51.6**	50.00	0	103.2	80	120	11/22/2023
Thallium		2.0		**232**	250.0	0	92.9	80	120	11/22/2023
Vanadium		5.0		**540**	500.0	0	107.9	80	120	11/27/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 214922 **SampType:** MS Units **µg/L**
SampID: 23110002-085FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		4.0		**512**	500.0	0	102.5	75	125	11/29/2023
Arsenic		4.0		**607**	500.0	43.84	112.7	75	125	11/29/2023
Barium		1.0		**1830**	2000	29.85	90.0	75	125	11/21/2023
Beryllium		1.0		**47.5**	50.00	0	94.9	75	125	11/22/2023
Cadmium		4.0		**54.0**	50.00	3.569	100.8	75	125	11/29/2023
Chromium		6.0		**194**	200.0	5.694	94.1	75	125	11/29/2023
Cobalt		1.0		**479**	500.0	1.895	95.5	75	125	11/21/2023
Copper		1.0		**219**	250.0	1.465	87.2	75	125	11/21/2023
Iron		25.0		**2090**	2000	13.62	103.9	75	125	11/21/2023
Lead		1.0		**400**	500.0	0	80.0	75	125	11/22/2023
Manganese		2.0		**491**	500.0	0	98.3	75	125	11/21/2023
Nickel		1.0		**467**	500.0	2.180	93.0	75	125	11/21/2023
Selenium		4.0		**1290**	500.0	664.3	124.2	75	125	11/30/2023
Silver		4.0		**45.8**	50.00	0	91.7	75	125	11/29/2023
Thallium		2.0		**213**	250.0	1.080	84.8	75	125	11/22/2023

Batch 214922 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-085FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		4.0		**526**	500.0	0	105.1	512.5	2.52	11/29/2023
Arsenic		4.0		**624**	500.0	43.84	116.0	607.4	2.64	11/29/2023
Barium		1.0		**1910**	2000	29.85	93.8	1830	4.06	11/21/2023
Beryllium		1.0		**45.9**	50.00	0	91.9	47.47	3.27	11/22/2023
Cadmium		4.0		**54.7**	50.00	3.569	102.3	53.98	1.39	11/29/2023
Chromium		6.0		**179**	200.0	5.694	86.6	194.0	8.15	11/29/2023
Cobalt		1.0		**483**	500.0	1.895	96.2	479.5	0.74	11/21/2023
Copper		1.0		**224**	250.0	1.465	89.2	219.5	2.22	11/21/2023
Iron		25.0		**2030**	2000	13.62	101.0	2092	2.89	11/21/2023
Lead		1.0		**409**	500.0	0	81.7	400.1	2.13	11/22/2023
Manganese		2.0		**503**	500.0	0	100.5	491.5	2.27	11/21/2023
Nickel		1.0		**479**	500.0	2.180	95.3	466.9	2.46	11/21/2023
Selenium		4.0		**1250**	500.0	664.3	117.1	1285	2.81	11/30/2023
Silver		4.0		**47.0**	50.00	0	94.0	45.83	2.48	11/29/2023
Thallium		2.0		**209**	250.0	1.080	83.1	213.2	2.12	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215174 **SampType:** MBLK Units **µg/L**
SampID: MBLK-215174

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	11/30/2023
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/30/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/30/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/30/2023
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/30/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/30/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/30/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/30/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/30/2023
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/30/2023
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/30/2023
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/30/2023
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/30/2023
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/30/2023
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/30/2023
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/30/2023
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/30/2023
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/30/2023
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/30/2023
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/30/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215174 **SampType:** LCS Units **µg/L**
SampID: LCS-215174

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2000**	2000	0	99.9	80	120	11/30/2023
Antimony		1.0		**559**	500.0	0	111.9	80	120	11/30/2023
Arsenic		1.0		**553**	500.0	0	110.7	80	120	11/30/2023
Barium		1.0		**2140**	2000	0	107.1	80	120	11/30/2023
Beryllium		1.0		**51.6**	50.00	0	103.1	80	120	11/30/2023
Boron		25.0		**508**	500.0	0	101.5	80	120	11/30/2023
Cadmium		1.0		**52.1**	50.00	0	104.2	80	120	11/30/2023
Chromium		1.5		**210**	200.0	0	104.8	80	120	11/30/2023
Cobalt		1.0		**530**	500.0	0	106.1	80	120	11/30/2023
Copper		1.0		**261**	250.0	0	104.5	80	120	11/30/2023
Iron		25.0		**2080**	2000	0	103.8	80	120	11/30/2023
Lead		1.0		**542**	500.0	0	108.3	80	120	11/30/2023
Lithium	*	3.0		**516**	500.0	0	103.2	80	120	11/30/2023
Manganese		2.0		**515**	500.0	0	103.0	80	120	11/30/2023
Molybdenum		1.5		**496**	500.0	0	99.3	80	120	11/30/2023
Nickel		1.0		**530**	500.0	0	106.1	80	120	11/30/2023
Selenium		1.0		**508**	500.0	0	101.6	80	120	11/30/2023
Silver		1.0		**47.9**	50.00	0	95.7	80	120	11/30/2023
Thallium		2.0		**253**	250.0	0	101.0	80	120	11/30/2023
Vanadium		5.0		**516**	500.0	0	103.1	80	120	11/30/2023
Zinc		15.0		**491**	500.0	0	98.2	80	120	11/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215174 **SampType:** MS Units **µg/L**
SampID: 23110002-052BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**548**	500.0	0	109.6	75	125	11/30/2023
Arsenic		1.0		**556**	500.0	0.4876	111.2	75	125	11/30/2023
Barium		1.0		**2230**	2000	183.5	102.2	75	125	11/30/2023
Beryllium		1.0		**55.9**	50.00	0	111.7	75	125	11/30/2023
Boron		25.0		**609**	500.0	69.05	107.9	75	125	11/30/2023
Cadmium		1.0		**50.9**	50.00	0	101.9	75	125	11/30/2023
Chromium		1.5		**198**	200.0	1.386	98.3	75	125	11/30/2023
Cobalt		1.0		**515**	500.0	0.2958	102.9	75	125	11/30/2023
Lead		1.0		**506**	500.0	0	101.1	75	125	11/30/2023
Lithium	*	3.0		**566**	500.0	12.05	110.8	75	125	11/30/2023
Molybdenum		1.5		**519**	500.0	3.850	103.1	75	125	11/30/2023
Selenium		1.0		**518**	500.0	0	103.6	75	125	11/30/2023
Thallium		2.0		**258**	250.0	0	103.0	75	125	11/30/2023

Batch 215174 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-052BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**557**	500.0	0	111.5	547.9	1.72	11/30/2023
Arsenic		1.0		**548**	500.0	0.4876	109.4	556.3	1.60	11/30/2023
Barium		1.0		**2120**	2000	183.5	96.8	2228	4.98	11/30/2023
Beryllium		1.0		**53.2**	50.00	0	106.3	55.86	4.96	11/30/2023
Boron		25.0		**578**	500.0	69.05	101.8	608.7	5.14	11/30/2023
Cadmium		1.0		**48.8**	50.00	0	97.6	50.95	4.28	11/30/2023
Chromium		1.5		**196**	200.0	1.386	97.5	198.0	0.84	11/30/2023
Cobalt		1.0		**495**	500.0	0.2958	99.0	514.8	3.86	11/30/2023
Lead		1.0		**510**	500.0	0	101.9	505.7	0.79	11/30/2023
Lithium	*	3.0		**541**	500.0	12.05	105.8	566.2	4.58	11/30/2023
Molybdenum		1.5		**500**	500.0	3.850	99.3	519.2	3.68	11/30/2023
Selenium		1.0		**507**	500.0	0	101.4	517.8	2.12	11/30/2023
Thallium		2.0		**242**	250.0	0	96.9	257.5	6.09	11/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215175 **SampType:** MBLK Units µg/L
SampID: MBLK-215175

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	11/30/2023
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	12/02/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/30/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/30/2023
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/30/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/30/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/30/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/30/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/30/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/30/2023
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/30/2023
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/30/2023
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/30/2023
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/30/2023
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/30/2023
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/30/2023
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/30/2023
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/30/2023
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/30/2023
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/30/2023
Tin	*	1.0		**< 1.0**	0.5000	0	0	-100	100	12/04/2023
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/30/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215175 **SampType:** LCS Units **µg/L**
SampID: LCS-215175

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1840**	2000	0	91.9	80	120	11/30/2023
Antimony		1.0	S	**613**	500.0	0	122.5	80	120	12/02/2023
Arsenic		1.0		**546**	500.0	0	109.3	80	120	11/30/2023
Barium		1.0		**2080**	2000	0	103.9	80	120	11/30/2023
Beryllium		1.0		**54.0**	50.00	0	108.0	80	120	11/30/2023
Boron		25.0		**527**	500.0	0	105.4	80	120	11/30/2023
Cadmium		1.0		**52.8**	50.00	0	105.5	80	120	11/30/2023
Chromium		1.5		**187**	200.0	0	93.6	80	120	11/30/2023
Cobalt		1.0		**529**	500.0	0	105.9	80	120	11/30/2023
Copper		1.0		**265**	250.0	0	106.0	80	120	11/30/2023
Iron		25.0		**2040**	2000	0	102.2	80	120	11/30/2023
Lead		1.0		**514**	500.0	0	102.9	80	120	11/30/2023
Lithium	*	3.0		**548**	500.0	0	109.7	80	120	11/30/2023
Manganese		2.0		**515**	500.0	0	103.0	80	120	11/30/2023
Molybdenum		1.5		**508**	500.0	0	101.5	80	120	11/30/2023
Nickel		1.0		**518**	500.0	0	103.6	80	120	11/30/2023
Selenium		1.0		**526**	500.0	0	105.3	80	120	11/30/2023
Silver		1.0		**47.7**	50.00	0	95.4	80	120	11/30/2023
Thallium		2.0		**251**	250.0	0	100.2	80	120	11/30/2023
Tin	*	1.0		**536**	500.0	0	107.1	80	120	12/04/2023
Vanadium		5.0		**508**	500.0	0	101.6	80	120	11/30/2023
Zinc		15.0		**499**	500.0	0	99.7	80	120	11/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215175 **SampType:** MS Units **µg/L**
SampID: 23110002-070BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**604**	500.0	0	120.8	75	125	12/02/2023
Arsenic		1.0		**553**	500.0	2.198	110.2	75	125	11/30/2023
Barium		1.0		**2080**	2000	39.50	102.2	75	125	11/30/2023
Beryllium		1.0		**55.6**	50.00	0	111.2	75	125	11/30/2023
Boron		25.0		**759**	500.0	236.4	104.6	75	125	11/30/2023
Cadmium		1.0		**50.1**	50.00	0	100.2	75	125	11/30/2023
Chromium		1.5		**188**	200.0	1.067	93.3	75	125	11/30/2023
Cobalt		1.0		**529**	500.0	4.512	104.9	75	125	11/30/2023
Lead		1.0		**473**	500.0	0	94.6	75	125	11/30/2023
Lithium	*	3.0		**564**	500.0	15.01	109.8	75	125	11/30/2023
Molybdenum		1.5		**525**	500.0	3.903	104.2	75	125	11/30/2023
Selenium		1.0		**500**	500.0	0	100.0	75	125	11/30/2023
Thallium		2.0		**261**	250.0	0	104.4	75	125	11/30/2023

Batch 215175 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-070BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**618**	500.0	0	123.7	603.9	2.35	12/02/2023
Arsenic		1.0		**595**	500.0	2.198	118.5	553.4	7.21	11/30/2023
Barium		1.0		**2130**	2000	39.50	104.5	2083	2.21	11/30/2023
Beryllium		1.0		**56.3**	50.00	0	112.7	55.62	1.29	11/30/2023
Boron		25.0		**766**	500.0	236.4	105.9	759.5	0.83	11/30/2023
Cadmium		1.0		**50.4**	50.00	0	100.8	50.08	0.67	11/30/2023
Chromium		1.5		**194**	200.0	1.067	96.5	187.7	3.29	11/30/2023
Cobalt		1.0		**561**	500.0	4.512	111.3	529.1	5.83	11/30/2023
Lead		1.0		**478**	500.0	0	95.7	473.2	1.09	11/30/2023
Lithium	*	3.0		**569**	500.0	15.01	110.7	564.1	0.80	11/30/2023
Molybdenum		1.5		**547**	500.0	3.903	108.6	525.0	4.08	11/30/2023
Selenium		1.0		**532**	500.0	0	106.3	500.0	6.14	11/30/2023
Thallium		2.0		**277**	250.0	0	110.8	261.1	5.91	11/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215175 **SampType:** MS Units **µg/L**
SampID: 23110002-081BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**600**	500.0	0	120.0	75	125	12/02/2023
Arsenic		1.0		**531**	500.0	25.04	101.1	75	125	11/30/2023
Barium		1.0		**2130**	2000	245.5	94.3	75	125	11/30/2023
Beryllium		1.0		**49.9**	50.00	0	99.7	75	125	11/30/2023
Boron		25.0		**652**	500.0	240.6	82.2	75	125	11/30/2023
Cadmium		1.0		**49.3**	50.00	0	98.6	75	125	11/30/2023
Chromium		1.5		**190**	200.0	1.817	94.1	75	125	11/30/2023
Cobalt		1.0		**504**	500.0	3.094	100.2	75	125	11/30/2023
Lead		1.0		**513**	500.0	0	102.5	75	125	11/30/2023
Lithium	*	3.0		**510**	500.0	17.78	98.5	75	125	11/30/2023
Molybdenum		1.5		**495**	500.0	0.9200	98.8	75	125	11/30/2023
Selenium		1.0		**472**	500.0	0	94.4	75	125	11/30/2023
Thallium		2.0		**249**	250.0	0	99.5	75	125	11/30/2023

Batch 215175 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-081BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**597**	500.0	0	119.4	599.9	0.45	12/02/2023
Arsenic		1.0		**544**	500.0	25.04	103.8	530.6	2.52	11/30/2023
Barium		1.0		**2150**	2000	245.5	95.3	2132	0.93	11/30/2023
Beryllium		1.0		**49.6**	50.00	0	99.2	49.86	0.57	11/30/2023
Boron		25.0		**649**	500.0	240.6	81.7	651.6	0.36	11/30/2023
Cadmium		1.0		**48.5**	50.00	0	97.0	49.28	1.61	11/30/2023
Chromium		1.5		**194**	200.0	1.817	95.9	190.1	1.85	11/30/2023
Cobalt		1.0		**506**	500.0	3.094	100.5	503.9	0.36	11/30/2023
Lead		1.0		**512**	500.0	0	102.3	512.6	0.19	11/30/2023
Lithium	*	3.0		**506**	500.0	17.78	97.6	510.3	0.90	11/30/2023
Molybdenum		1.5		**493**	500.0	0.9200	98.4	494.9	0.41	11/30/2023
Selenium		1.0		**481**	500.0	0	96.2	471.9	1.92	11/30/2023
Thallium		2.0		**234**	250.0	0	93.5	248.7	6.16	11/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215376 **SampType:** MBLK Units **µg/L**
SampID: MBLK-215376

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	12/05/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	12/04/2023
Tin	*	1.0		**< 1.0**	0.5000	0	0	-100	100	12/04/2023
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	12/05/2023

Batch 215376 **SampType:** LCS Units **µg/L**
SampID: LCS-215376

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1910**	2000	0	95.5	80	120	12/05/2023
Boron		25.0		**511**	500.0	0	102.1	80	120	12/04/2023
Tin	*	1.0		**535**	500.0	0	107.0	80	120	12/04/2023
Zinc		15.0		**448**	500.0	0	89.7	80	120	12/05/2023

Batch 215376 **SampType:** MS Units **µg/L**
SampID: 23110002-085FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		100		**6850**	2000	4702	107.1	75	125	12/05/2023
Boron		100	S	**13800**	500.0	12760	211.3	75	125	12/04/2023
Tin	*	4.0		**485**	500.0	0	96.9	75	125	12/04/2023
Zinc		60.0		**438**	500.0	0	87.6	75	125	12/05/2023

Batch 215376 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 23110002-085FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		100		**6850**	2000	4702	107.5	6845	0.11	12/05/2023
Boron		100	S	**13400**	500.0	12760	136.9	13820	2.73	12/04/2023
Tin	*	4.0		**490**	500.0	0	98.0	484.5	1.12	12/04/2023
Zinc		60.0		**430**	500.0	0	86.0	437.8	1.82	12/05/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

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

Batch 215760 **SampType:** MBLK Units µg/L
SampID: MBLK-215760

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	12/11/2023
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	12/11/2023
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	12/11/2023
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	12/11/2023
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	12/11/2023
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	12/11/2023
Calcium		125		**< 125**	70.00	0	0	-100	100	12/12/2023
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	12/13/2023
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	12/12/2023
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	12/11/2023
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	12/11/2023
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	12/11/2023
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	12/11/2023
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	12/11/2023

Batch 215760 **SampType:** LCS Units µg/L
SampID: LCS-215760

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**527**	500.0	0	105.3	80	120	12/11/2023
Arsenic		1.0		**558**	500.0	0	111.6	80	120	12/11/2023
Barium		1.0		**2110**	2000	0	105.4	80	120	12/11/2023
Beryllium		1.0		**54.7**	50.00	0	109.5	80	120	12/11/2023
Boron		25.0		**525**	500.0	0	105.0	80	120	12/11/2023
Cadmium		1.0		**51.7**	50.00	0	103.4	80	120	12/11/2023
Calcium		125		**2300**	2500	0	92.0	80	120	12/12/2023
Chromium		1.5		**209**	200.0	0	104.3	80	120	12/13/2023
Cobalt		1.0		**487**	500.0	0	97.3	80	120	12/12/2023
Lead		1.0		**518**	500.0	0	103.7	80	120	12/11/2023
Lithium	*	3.0		**537**	500.0	0	107.5	80	120	12/11/2023
Molybdenum		1.5		**483**	500.0	0	96.7	80	120	12/13/2023
Selenium		1.0		**549**	500.0	0	109.9	80	120	12/11/2023
Thallium		2.0		**235**	250.0	0	94.1	80	120	12/11/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 7470A (DISSOLVED)

Batch 214890 **SampType:** MS Units µg/L
SampID: 23110002-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.58**	5.000	0	91.6	75	125	11/20/2023

Batch 214890 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23110002-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.53**	5.000	0	90.7	4.581	1.06	11/20/2023

Batch 214942 **SampType:** MS Units µg/L
SampID: 23110002-010CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.87**	5.000	0	97.4	75	125	11/22/2023

Batch 214942 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23110002-010CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.66**	5.000	0	93.2	4.868	4.39	11/22/2023

Batch 214942 **SampType:** MS Units µg/L
SampID: 23110002-023CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.58**	5.000	0	91.5	75	125	11/22/2023

Batch 214942 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23110002-023CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.63**	5.000	0	92.7	4.577	1.24	11/22/2023

Batch 214958 **SampType:** MS Units µg/L
SampID: 23110002-107DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.71**	5.000	0	94.2	75	125	11/22/2023

Batch 214958 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23110002-107DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.76**	5.000	0	95.2	4.711	1.06	11/22/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

SW-846 7470A (DISSOLVED)

Batch 214958 **SampType:** MS Units µg/L
SampID: 23111126-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.88**	5.000	0	97.6	75	125	11/22/2023

Batch 214958 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23111126-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.86**	5.000	0	97.3	4.878	0.28	11/22/2023

Batch 214963 **SampType:** MS Units µg/L
SampID: 23110002-105DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.16**	5.000	0	83.2	75	125	11/21/2023

Batch 214963 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23110002-105DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.24**	5.000	0	84.8	4.161	1.85	11/21/2023

Batch 214963 **SampType:** MS Units µg/L
SampID: 23111131-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.62**	5.000	0	92.3	75	125	11/21/2023

Batch 214963 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23111131-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.84**	5.000	0	96.7	4.617	4.66	11/21/2023

SW-846 7470A (TOTAL)

Batch 214812 **SampType:** MBLK Units µg/L
SampID: MBLK-214812

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	11/17/2023

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 7470A (TOTAL)

Batch 214812 **SampType:** LCS Units µg/L
SampID: LCS-214812

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.98**	5.000	0	99.6	85	115	11/17/2023

Batch 214890 **SampType:** MBLK Units µg/L
SampID: MBLK-214890

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	11/20/2023

Batch 214890 **SampType:** LCS Units µg/L
SampID: LCS-214890

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.30**	5.000	0	86.0	85	115	11/20/2023

Batch 214942 **SampType:** MBLK Units µg/L
SampID: MBLK-214942

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	11/22/2023

Batch 214942 **SampType:** LCS Units µg/L
SampID: LCS-214942

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.51**	5.000	0	90.3	85	115	11/22/2023

Batch 214943 **SampType:** MBLK Units µg/L
SampID: MBLK-214943

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	11/28/2023

Batch 214943 **SampType:** LCS Units µg/L
SampID: LCS-214943

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.25**	5.000	0	105.0	85	115	11/28/2023

Batch 214943 **SampType:** MS Units µg/L
SampID: 23110002-028CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.22**	5.000	0	104.4	75	125	11/28/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 7470A (TOTAL)

Batch 214943 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 23110002-028CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.99**	5.000	0	99.8	5.220	4.55	11/28/2023

Batch 214943 **SampType:** MS Units µg/L
SampID: 23110002-035CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.07**	5.000	0	81.4	75	125	11/28/2023

Batch 214943 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 23110002-035CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.07**	5.000	0	81.5	4.071	0.07	11/28/2023

Batch 214957 **SampType:** MBLK Units µg/L
SampID: MBLK-214957

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	11/22/2023

Batch 214958 **SampType:** MBLK Units µg/L
SampID: MBLK-214958

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	11/22/2023

Batch 214958 **SampType:** LCS Units µg/L
SampID: LCS-214958

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.75**	5.000	0	95.0	85	115	11/22/2023

Batch 214963 **SampType:** MBLK Units µg/L
SampID: MBLK-214963

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	11/21/2023

Batch 214963 **SampType:** LCS Units µg/L
SampID: LCS-214963

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.59**	5.000	0	91.7	85	115	11/21/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 7470A (TOTAL)

Batch 215193 **SampType:** MBLK Units µg/L
SampID: MBLK-215193

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	11/29/2023

Batch 215193 **SampType:** LCS Units µg/L
SampID: LCS-215193

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.07**	5.000	0	101.4	85	115	11/29/2023

Batch 215193 **SampType:** MS Units µg/L
SampID: 23110002-037CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.60**	5.000	0	92.0	75	125	11/29/2023

Batch 215193 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23110002-037CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.57**	5.000	0	91.5	4.599	0.53	11/29/2023

Batch 215196 **SampType:** MBLK Units µg/L
SampID: MBLK-215196

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	11/29/2023

Batch 215196 **SampType:** LCS Units µg/L
SampID: LCS-215196

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.60**	5.000	0	92.0	85	115	11/29/2023

Batch 215196 **SampType:** MS Units µg/L
SampID: 23110002-046CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.66**	5.000	0	93.2	75	125	11/29/2023

Batch 215196 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23110002-046CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.51**	5.000	0	90.2	4.658	3.17	11/29/2023

Teklab, Inc.
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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 7470A (TOTAL)

Batch 215226 **SampType:** MBLK Units µg/L
SampID: MBLK-215226

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	11/29/2023

Batch 215226 **SampType:** LCS Units µg/L
SampID: LCS-215226

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.03**	5.000	0	100.7	85	115	11/29/2023

Batch 215226 **SampType:** MS Units µg/L
SampID: 23110002-070BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.98**	5.000	0	99.6	75	125	11/29/2023

Batch 215226 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23110002-070BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.96**	5.000	0	99.2	4.980	0.40	11/29/2023

Batch 215226 **SampType:** MS Units µg/L
SampID: 23110002-076BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.74**	5.000	0	94.7	75	125	11/29/2023

Batch 215226 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23110002-076BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.81**	5.000	0	96.3	4.736	1.64	11/29/2023

Batch 215244 **SampType:** MBLK Units µg/L
SampID: MBLK-215244

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	11/30/2023

Batch 215244 **SampType:** LCS Units µg/L
SampID: LCS-215244

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.78**	5.000	0	95.6	85	115	11/30/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

SW-846 7470A (TOTAL)

Batch 215244 **SampType:** MS Units µg/L
SampID: 23110002-077BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.80**	5.000	0	96.0	75	125	11/30/2023

Batch 215244 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 23110002-077BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.64**	5.000	0	92.8	4.800	3.44	11/30/2023

Batch 215313 **SampType:** MBLK Units µg/L
SampID: MBLK-215313

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	11/30/2023

Batch 215313 **SampType:** LCS Units µg/L
SampID: LCS-215313

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.81**	5.000	0	96.3	85	115	11/30/2023

Batch 215313 **SampType:** MS Units µg/L
SampID: 23110002-039CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.50**	5.000	0	90.0	75	125	11/30/2023

Batch 215313 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 23110002-039CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.24**	5.000	0	84.7	4.500	6.05	11/30/2023

Batch 215455 **SampType:** MBLK Units µg/L
SampID: MBLK-215455

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	12/05/2023

Batch 215455 **SampType:** LCS Units µg/L
SampID: LCS-215455

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.75**	5.000	0	95.0	85	115	12/05/2023

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 23110002

Client Project: COF-23Q4 **Report Date:** 08-Jan-24

SW-846 7470A (TOTAL)

Batch 215561 **SampType:** MBLK Units µg/L
SampID: MBLK-215561

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	12/06/2023

Batch 215561 **SampType:** LCS Units µg/L
SampID: LCS-215561

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.54**	5.000	0	90.8	85	115	12/06/2023

Batch 215561 **SampType:** MS Units µg/L
SampID: 23110002-060BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.21**	5.000	0	84.2	75	125	12/06/2023

Batch 215561 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23110002-060BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.25**	5.000	0	84.9	4.210	0.86	12/06/2023

Batch 215561 **SampType:** MS Units µg/L
SampID: 23110002-061BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.40**	5.000	0	88.0	75	125	12/06/2023

Batch 215561 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 23110002-061BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.50**	5.000	0	90.1	4.401	2.32	12/06/2023

Teklab, Inc.
Environmental Laboratory

Receiving Check List

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

Carrier: Justin Colp
Received By: HAW

Completed by: Lindsey Maddox
On: 15-Nov-23

Reviewed by: Ellie Hopkins
On: 21-Nov-23

Pages to follow: Chain of custody 29 Extra pages included 25

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 6.0
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☑	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

pH strip #90719/79929. - lmaddox - 11/15/2023 10:53:25 AM

Additional nitric acid (93773) was needed in G102, G200, and R201upon arrival at the laboratory. - lmaddox - 11/15/2023 10:53:28 AM

pH strip #79929/90719. - amberdilallo - 11/16/2023 8:51:12 AM

Additional Nitric Acid (93773) was needed in G121 upon arrival at the laboratory. Additional Sulfuric Acid (90128) was needed in G120 upon arrival at the laboratory. Additional Sodium Hydroxide (81662) was needed in G123, G126, adn G153 upon arrival at the laboratory. - amberdilallo - 11/16/2023 8:51:53 AM

Samples collected on 11/15/23 were delivered to the laboratory on 11/15/23 at 1600 (on ice - 17.2C - LTG5). - HW/ERH 11/16/23

pH strip #79929/90719. - amberdilallo - 11/17/2023 8:45:01 AM

Additional Nitric Acid (93773) was needed in L202 upon arrival at the laboratory. - amberdilallo - 11/17/2023 8:45:07 AM

L202 was delivered to the laboratory on 11/16/23 at 1500 (on ice - 17.6C - LTG1). - AMD 11/16/23

pH strip #79929/90719. - amberdilallo - 11/17/2023 8:46:34 AM

Additional Nitric Acid (93773) was needed in G209 and G217 upon arrival at the laboratory. Additional Sulfuric Acid (90128) was needed in G217 upon arrival at the laboratory. - amberdilallo - 11/17/2023 8:46:55 AM

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24

Samples collected on 11/16/23 were delivered to the laboratory on 11/16/23 at 1615 (on ice - 3.6C - LTG1). - AMD 11/17/23

pH strip #79929/90719. - amberdilallo - 11/17/2023 3:11:29 PM

Samples collected on 11/17/23 were delivered to the laboratory on 11/17/23 at 1400 (on ice - 14.4C - LTG1). - AMD 11/17/23

XPW02 was damaged in the laboratory and lost 2/3 volume. - LM/ERH 11/17/23

pH strip #79929/90719. - amberdilallo - 11/21/2023 8:57:45 AM

Additional Nitric Acid (90719) was needed in G285, G313, G314, G314D, G316, and G407 upon arrival at the laboratory. Additional Sodium Hydroxide (81662) was needed in G278 and G407 upon arrival at the laboratory. - amberdilallo - 11/21/2023 8:57:52 AM

Samples collected on 11/20/23 were delivered to the laboratory on 11/20/23 at 1645 (on ice - 12.2C - LTG5). - AMD 11/20/23

pH strip #79929/90719. - amberdilallo - 11/21/2023 2:07:05 PM

Additional Nitric Acid (93773) was needed in G303 upon arrival at the laboratory. Additional Sodium Hydroxide (81662) was needed in G401 upon arrival at the laboratory. - amberdilallo - 11/21/2023 2:07:08 PM

Samples collected on 11/21/23 were delivered to the laboratory on 11/21/23 at 1220 (on ice - 9.4C - LTG5). - AMD 11/21/23

Sample collected 12/6/23 was delivered to the laboratory on 12/6/23 at 1307 (on ice - 7.8C - LTG1). - AMD 12/6/23

Samples collected on 12/07/23 were delivered to the laboratory on 12/07/23 at 1255 (on ice - 10.0C - LTG5). pH strip #90719. Additional nitric acid (94914) was needed in G275D upon arrival at the laboratory. - LM/MEK 11/20/23

COF-845-103 (struck through, handwritten)

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane, Coffeen, IL 62017	Copy To:	Sam Davies-samantha.davies@vistracorp.com; John Romang - John.Romang@vistracorp.com; Scott Bell- Michael.Bell@vistracorp.com	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

Section D Required Client Information

Valid Matrix Codes — MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G101			11-14-23	1611		5	2	1	1		1										X										23110002-001
2	G102			↓	1537		7	2	2	2		1									X	X			X			X				23110002-002
3	G103				1513		7	2	2	2		1										X			X			X				23110002-003
4	G105				1422		7	2	2	2		1										X			X			X				23110002-004
5	G106				1354		7	2	2	2		1										X			X			X				23110002-005
6	G107				1333		5	2	1	1		1										X										23110002-006
7	G108				1315		5	2	1	1		1										X										23110002-007
8	G109				1259		5	2	1	1		1										X										23110002-008
9	G110				1241		5	2	1	1		1										X										23110002-009
10	G111			↓	1159		5	2	1	1		1										X										23110002-010
11	G119						5	2	1	1		1										X										23110002-011
12	G120						5	2	1	1		1										X										23110002-012
13	G121						5	2	1	1		1										X										23110002-013
14	G122						5	2	1	1		1										X										23110002-014
15	G123						5	2	1	1		1										X										23110002-015
16	G124						5	2	1	1		1										X										23110002-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-14	1745	[signature]	11/14	1745	~~5~~ 6.0	(Y)	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-14-23 1745

PHV 90719, 79929. Added HNO3 (~~P~~3773) to G102, G200 & R201. HW 11/15/23

COF-845-003

23110002

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location **STATE:** IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	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-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125							5	2	1	1		1									X								23110002-017
2	G126							5	2	1	1		1									X								23110002-018
3	G151							4	2		1		1															X		23110002-019
4	G152							4	2		1		1															X		23110002-020
5	G153							4	2		1		1															X		23110002-021
6	G154							5	2		2		1													X		X		23110002-022
7	G155							4	2		1		1															X		23110002-023
8	G200				11-14-23	1001		6	2	1	2		1						X		X				X			X		23110002-024
9	G206							6	2	1	2		1						X						X			X		23110002-025
10	G206D							2	1		1								X						X					23110002-026
11	G207				11-14-23	0849		6	2	1	2		1												X			X		23110002-027
12	G208							6	2	1	2		1												X			X		23110002-028
13	G209							6	2	1	2		1						X						X			X		23110002-029
14	G210							6	2	1	2		1												X			X		23110002-030
15	G211							6	2	1	2		1												X			X		23110002-031
16	G212							6	2	1	2		1						X						X			X		23110002-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-14	1745		~~11/28~~ 11/14	1745	

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	11-14-23	1745		

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

23110002

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER (DW, WT); WATER (WW, P); WASTE WATER (SL); PRODUCT (OL); SOIL/SOLID (WP, AR); OIL (OT, TS); WIPE; AIR; OTHER

ITEM #	SAMPLE ID (A-Z, 0-9 / ,- Sample IDs MUST BE UNIQUE)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																								
1	G410						4	1		2		1														X					23110002-081
2	G411						4	1		2		1														X					23110002-082
3	G1001			11-14-23	1136		2	1		1								X					X							23110002-083
4	G1003						0											X					X							23110002-084
5	L202						20	12	3	1	3	1										X									23110002-085
6	MW03D						0																		X						23110002-086
7	MW12D						0																		X	X					23110002-087
8	MW20S						0																								23110002-088
9	NE Riser						0													X					X						23110002-089
10	R104			11-14-23	1441		7	2	2	2		1										X			X			X			23110002-090
11	R201			11-14-23	1037		6	2	1	2		1								X		X			X			X			23110002-091
12	R205						6	2	1	2		1													X			X			23110002-092
13	SG-02						0											X	X				X	X							23110002-093
14	SG-03						0											X	X				X	X							23110002-094
15	SG-04						0												X	X	X			X	X	X						23110002-095
16	T127						5	2	1	1		1										X									23110002-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-14	1745		11/14	1745		Y	N	

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Justin Colp			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	11-14-23 1745				

23110002

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT, WW, P; WASTE WATER SL; PRODUCT OL; SOIL/SOLID WP, AR; OIL OT, TS; WIPE; AIR; OTHER

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	T128						5	2	1	1		1										X								23110002-097
2	X201						2	1		1										X					X					23110002-098
3	XPW01						2	1		1							X						X							23110002-099
4	XPW02						2	1		1							X						X							23110002-100
5	XSG-01						0										X						X							23110002-101
6	Field Blank						22	12	4	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		23110002-102
7	G102 Duplicate			11-14-23	1537		7	2	2	2		1									X	X			X		X			23110002-103
8	G200 Duplicate			11-14-23	1001		6	2	1	2		1							X		X				X		X			23110002-104
9	G273 Duplicate						6	2	1	2		1								X						X		X			23110002-105
10	G301 Duplicate						2	1		1							X						X								23110002-106
11	R201 Duplicate			11-14-23	1037		6	2	1	2		1							X		X				X		X			23110002-107
12																														
13																														
14																														
15																														
16																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-14	1745	[signature]	11/14	1745	

SAMPLER NAME AND SIGNATURE							
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	11-14-23 1745	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	[signature]						

TE 9m 11/14/23

CHAIN-OF-CUSTODY / Analytical Request Document

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

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Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TS

ITEM #	SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G101						5	2	1	1		1										X								23110002-001
2	G102						7	2	2	2		1									X	X			X			X		23110002-002
3	G103						7	2	2	2		1										X			X			X		23110002-003
4	G105						7	2	2	2		1										X			X			X		23110002-004
5	G106						7	2	2	2		1										X			X			X		23110002-005
6	G107						5	2	1	1		1										X								23110002-006
7	G108						5	2	1	1		1										X								23110002-007
8	G109						5	2	1	1		1										X								23110002-008
9	G110						5	2	1	1		1										X								23110002-009
10	G111						5	2	1	1		1										X								23110002-010
11	G119			11-15-23	0952		5	2	1	1		1										X								23110002-011
12	G120				0937		5	2	1	1		1										X								23110002-012
13	G121				0923		5	2	1	1		1										X								23110002-013
14	G122				0906		5	2	1	1		1										X								23110002-014
15	G123				0847		5	2	1	1		1										X								23110002-015
16	G124			↓	DRY		5	2	1	1		1										X								23110002-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-23Q4 Rev 0	J. Colp	11-15	1600		11/15	1600

SAMPLE CONDITIONS			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
17.2	Y	N	Y
0.5			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 11-15-23

PHV 90719/79939. Added HNO3 (93773) to G121. Added H2SO4 (90215) to G120, G123. Added NaOH (811062) to G123, G120, and G103. HW 11/14/23

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:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125			11-15-23	ORY		5	2	1	1		1										X								23110002-017
2	G126				1111		5	2	1	1		1										X								23110002-018
3	G151				1140		4	2		1		1																X		23110002-019
4	G152						4	2		1		1																X		23110002-020
5	G153				1338		4	2		1		1																X		23110002-021
6	G154				1255		5	2		2		1														X		X		23110002-022
7	G155				1216		4	2		1		1																X		23110002-023
8	G200						6	2	1	2		1							X		X				X			X		23110002-024
9	G206			11-15-23	1431		6	2	1	2		1							X						X			X		23110002-025
10	G206D						2	1		1									X						X					23110002-026
11	G207						6	2	1	2		1													X			X		23110002-027
12	G208						6	2	1	2		1													X			X		23110002-028
13	G209						6	2	1	2		1							X						X			X		23110002-029
14	G210						6	2	1	2		1													X			X		23110002-030
15	G211						6	2	1	2		1													X			X		23110002-031
16	G212						6	2	1	2		1							X						X			X		23110002-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-23Q4 Rev 0	J. Colp	11-15	1600		11/15	1100

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 11-15-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location **STATE:** IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT, WW, P; WASTE WATER SL; PRODUCT OL; SOIL/SOLID WP, AR; OIL OT, TS; WIPE; AIR; OTHER

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G410						4	1		2		1														X					23110002-081
2	G411						4	1		2		1														X					23110002-082
3	G1001						2	1		1								X					X								23110002-083
4	G1003						0											X					X								23110002-084
5	L202						20	12	3	1	3	1										X									23110002-085
6	MW03D						0																		X						23110002-086
7	MW12D						0																		X	X					23110002-087
8	MW20S						0																								23110002-088
9	NE Riser						0													X					X						23110002-089
10	R104						7	2	2	2		1										X			X			X			23110002-090
11	R201						6	2	1	2		1							X			X			X			X			23110002-091
12	R205						6	2	1	2		1													X			X			23110002-092
13	SG-02						0											X	X				X	X							23110002-093
14	SG-03						0											X	X				X	X							23110002-094
15	SG-04						0												X	X	X			X	X	X						23110002-095
16	T127			11-15-23	1052		5	2	1	1		1										X									23110002-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-23Q4 Rev 0	J. Colp	11-15	1600	Hannah Wren	11/15	1600				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 11-15-23

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	T128				11-15-23	1011		5	2	1	1		1										X									23110002-097
2	X201							2	1		1											X									23110002-098
3	XPW01							2	1		1							X						X							23110002-099
4	XPW02							2	1		1							X						X							23110002-100
5	XSG-01							0										X						X							23110002-101
6	Field Blank							22	12	4	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X			23110002-102
7	G102 Duplicate							7	2	2	2		1									X	X			X			X			23110002-103
8	G200 Duplicate							6	2	1	2		1							X		X				X			X			23110002-104
9	G273 Duplicate							6	2	1	2		1								X					X			X			23110002-105
10	G301 Duplicate							2	1		1							X						X								23110002-106
11	R201 Duplicate							6	2	1	2		1							X		X				X			X			23110002-107
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-15	1600	Hayden Wh	11/15	1600	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-15-23				

23110002

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane Coffeen, IL 62017	Copy To:	Sam Davies-samantha.davies@vistracorp.com John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Company Name:	Vistra Corp
				Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES | **GROUND WATER** | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes — MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G410						4	1		2		1															X					23110002-081
2	G411						4	1		2		1															X					23110002-082
3	G1001						2	1		1								X						X								23110002-083
4	G1003						0											X						X								23110002-084
5	L202			11.16	13:38		20	12	3	1	3	1										X										23110002-085
6	MW03D						0																		X							23110002-086
7	MW12D						0																		X	X						23110002-087
8	MW20S						0																									23110002-088
9	NE Riser						0												X						X							23110002-089
10	R104						7	2	2	2		1										X			X			X				23110002-090
11	R201						6	2	1	2		1							X		X				X			X				23110002-091
12	R205						6	2	1	2		1													X			X				23110002-092
13	SG-02						0										X	X					X	X								23110002-093
14	SG-03						0										X	X					X	X								23110002-094
15	SG-04						0											X	X	X				X	X	X						23110002-095
16	T127						5	2	1	1		1										X										23110002-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	T. Carroll	11.16	15:00	[signature]	11/16/23	~~1615~~ 1500 TE Gmm	17.6 / 17.6	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Crump

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11.16.2023

Added HNO3 (93773) to L202.
pH ✓ 79929/90719 Gmm
11/16/23
TE Gmm

Confidential

23110002

3.6 #1

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: MATRIX — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125						5	2	1	1		1										X									23110002-017
2	G126						5	2	1	1		1										X									23110002-018
3	G151						4	2		1		1																	X		23110002-019
4	G152						4	2		1		1																	X		23110002-020
5	G153						4	2		1		1																	X		23110002-021
6	G154						5	2		2		1															X		X		23110002-022
7	G155						4	2		1		1																	X		23110002-023
8	G200						6	2	1	2		1							X		X				X			X			23110002-024
9	G206						6	2	1	2		1							X						X			X			23110002-025
10	G206D						2	1		1									X						X						23110002-026
11	G207						6	2	1	2		1													X			X			23110002-027
12	G208						6	2	1	2		1													X			X			23110002-028
13	G209			11-16-23	1439		6	2	1	2		1							X						X			X			23110002-029
14	G210			11-16-23	1421		6	2	1	2		1													X			X			23110002-030
15	G211			↓	1353		6	2	1	2		1													X			X			23110002-031
16	G212			↓	1312		6	2	1	2		1							X						X			X			23110002-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-16	1615	[signature]	11/16/23	1615	3.6	Y	N	Y
							DC.1			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Added HNO3 (93773) to TEAM ~~G202~~, G209 and G217. Added H2SO4 (90128) to G217. pH ✓ 79929/90719 Om 11/17/23

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Justin Colp
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 11-16-23

23110002

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES | GROUND WATER | DRINKING WATER | UST | RCRA | OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER (DW, WT); WATER (WW, P); WASTE WATER (SL); PRODUCT (OL); SOIL/SOLID (WP, AR); OIL (OT, TS); WIPE; AIR; OTHER

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-846-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213			11-16-23	1248		6	2	1	2		1							X					X			X			23110002-033
2	G214				1218		6	2	1	2		1												X			X			23110002-034
3	G215				1152		6	2	1	2		1							X					X			X			23110002-035
4	G216				1120		6	2	1	2		1												X			X			23110002-036
5	G217				1043		6	2	1	2		1							X					X			X			23110002-037
6	G218				1013		6	2	1	2		1							X					X			X			23110002-038
7	G270						6	2	1	2		1						X		X				X		X	X	X			23110002-039
8	G271						6	2	1	2		1								X						X		X			23110002-040
9	G272						6	2	1	2		1														X		X			23110002-041
10	G273						6	2	1	2		1								X						X		X			23110002-042
11	G274						6	2	1	2		1														X		X			23110002-043
12	G275						6	2	1	2		1								X						X		X			23110002-044
13	G275D						2	1		1										X						X					23110002-045
14	G276						6	2	1	2		1								X						X		X			23110002-046
15	G277						6	2	1	2		1								X						X		X			23110002-047
16	G278						6	2	1	2		1																X			23110002-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-16	1615		11/16/23	1615	

SAMPLE CONDITIONS: Y | N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-16-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

23110002

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-Coffeen
- Address: 134 CIPS Lane, Coffeen, IL 62017
- Email To: Brian.Voelker@VistraCorp.com
- Phone: (217) 753-8911 Fax:
- Requested Due Date/TAT: 10 day

Section B Required Project Information:
- Report To: Brian Voelker
- Copy To: Sam Davies-samantha.davies@vistracorp.com
- John Romang - John.Romang@vistracorp.com
- Scott Bell- Michael.Bell@vistracorp.com
- Purchase Order No.:
- Project Name:
- Project Number: 2285

Section C Invoice Information:
- Attention: Jason Stuckey
- Company Name: Vistra Corp
- Address: see Section A
- Quote Reference:
- Project Manager:
- Profile #:

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes — MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test 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-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125						5	2	1	1		1										X									23110002-017
2	G126						5	2	1	1		1										X									23110002-018
3	G151						4	2		1		1																	X		23110002-019
4	G152						4	2		1		1																	X		23110002-020
5	G153						4	2		1		1																	X		23110002-021
6	G154						5	2		2		1															X		X		23110002-022
7	G155						4	2		1		1																	X		23110002-023
8	G200						6	2	1	2		1							X		X				X			X			23110002-024
9	G206						6	2	1	2		1							X						X			X			23110002-025
10	G206D			11-17-23	0842		2	1		1									X						X						23110002-026
11	G207						6	2	1	2		1													X			X			23110002-027
12	G208			11-17-23	0821		6	2	1	2		1													X			X			23110002-028
13	G209						6	2	1	2		1							X						X			X			23110002-029
14	G210						6	2	1	2		1													X			X			23110002-030
15	G211						6	2	1	2		1													X			X			23110002-031
16	G212						6	2	1	2		1							X						X			X			23110002-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-17	1400	[signature]	11/17	1400	14.4 LTG			Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
- PRINT Name of SAMPLER: Justin Colp
- SIGNATURE of SAMPLER: [signature]
- DATE Signed (MM/DD/YY): 11-17-23

Dropped ~~[illegible]~~ XPW02 upon arrival. Spilled 2/3 of bottle. LM 11/17

pH: 907191 79929 LM 11/17

23110002

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213						6	2	1	2		1								X			X							23110002-033
2	G214						6	2	1	2		1								X			X							23110002-034
3	G215						6	2	1	2		1								X			X							23110002-035
4	G216						6	2	1	2		1								X			X							23110002-036
5	G217						6	2	1	2		1								X			X							23110002-037
6	G218						6	2	1	2		1								X			X							23110002-038
7	G270			11-17-23	0913		6	2	1	2		1							X		X				X		X	X	X		23110002-039
8	G271				0942		6	2	1	2		1									X						X				23110002-040
9	G272				1019		6	2	1	2		1														X		X			23110002-041
10	G273				1037		6	2	1	2		1									X						X				23110002-042
11	G274				1100		6	2	1	2		1														X		X			23110002-043
12	G275				DRY		6	2	1	2		1									X						X				23110002-044
13	G275D				DRY		2	1		1											X						X				23110002-045
14	G276				1134		6	2	1	2		1									X						X				23110002-046
15	G277			↓	DRY		6	2	1	2		1									X						X				23110002-047
16	G278						6	2	1	2		1																X				23110002-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-17	1400	Handwritten	11/17	1400	

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 11-17-23

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G279			11-17-23	1203		6	2	1	2		1								X						X	X	X			23110002-049
2	G280						6	2	1	2		1						X		X				X		X	X	X			23110002-050
3	G281						4	1		2		1					X	X						X	X		X				23110002-051
4	G283						2	1		1										X						X					23110002-052
5	G284			11-17-23	OKY		2	1		1										X						X					23110002-053
6	G285						2	1		1										X						X					23110002-054
7	G286						0																			X					23110002-055
8	G288						0																			X					23110002-056
9	G301						2	1		1							X						X								23110002-057
10	G302						2	1		1							X						X								23110002-058
11	G303						2	1		1							X						X								23110002-059
12	G305			11-17-23	1055		2	1		1							X						X								23110002-060
13	G306			11-17-23	1226		2	1		1							X						X								23110002-061
14	G307						2	1		1							X						X								23110002-062
15	G307D			11-17-23	1138		2	1		1							X						X								23110002-063
16	G308			11-17-23	1011		2	1		1							X						X								23110002-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-17	1400	[signature]	11/17	1400	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	11-17-23	Temp in °C	Received on Ice (Y/N) Y / N; Custody Sealed Cooler (Y/N); Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW, WT; WATER WW, P; WASTE WATER SL; PRODUCT OL, WP; SOIL/SOLID AR; OIL OT; WIPE TS; AIR; OTHER

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G309						0																X							23110002-065
2	G310						2	1		1							X						X							23110002-066
3	G312			11-17-23	DRY		2	1		1							X						X							23110002-067
4	G313						2	1		1							X						X							23110002-068
5	G314						2	1		1							X						X							23110002-069
6	G314D						2	1		1							X						X							23110002-070
7	G315						2	1		1							X						X							23110002-071
8	G316						2	1		1							X						X							23110002-072
9	G317						0																X							23110002-073
10	G401						4	1		2		1						X						X			X				23110002-074
11	G402						4	1		2		1						X						X			X				23110002-075
12	G403						4	1		2		1						X						X			X				23110002-076
13	G404						4	1		2		1						X						X			X				23110002-077
14	G405						4	1		2		1						X						X			X				23110002-078
15	G406						4	1		2		1						X						X			X				23110002-079
16	G407						4	1		2		1						X						X			X				23110002-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-17	1400		11/17	1400	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 11-17-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

23110002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
	Requested Analysis Filtered (Y/N)																														
1	T128						5	2	1	1		1										X									23110002-097
2	X201						2	1		1											X				X						23110002-098
3	XPW01			11-17-23	0939		2	1		1							X						X								23110002-099
4	XPW02			11-17-23	0902		2	1		1							X						X								23110002-100
5	XSG-01						0										X						X								23110002-101
6	Field Blank						22	12	4	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X			23110002-102
7	G102 Duplicate						7	2	2	2		1									X	X			X			X				23110002-103
8	G200 Duplicate						6	2	1	2		1							X		X				X			X				23110002-104
9	G273 Duplicate			11-17-23	1037		6	2	1	2		1								X						X		X				23110002-105
10	G301 Duplicate						2	1		1							X						X									23110002-106
11	R201 Duplicate						6	2	1	2		1							X		X				X			X				23110002-107
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-17	1400		11/17	1400	

	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 11-17-23

R3110002

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER

UST | RCRA | OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125						5	2	1	1		1										X									23110002-017
2	G126						5	2	1	1		1										X									23110002-018
3	G151						4	2		1		1																X			23110002-019
4	G152			11-20-23	0830		4	2		1		1																X			23110002-020
5	G153						4	2		1		1																X			23110002-021
6	G154						5	2		2		1														X		X			23110002-022
7	G155						4	2		1		1																X			23110002-023
8	G200						6	2	1	2		1						X		X					X			X			23110002-024
9	G206						6	2	1	2		1						X							X			X			23110002-025
10	G206D						2	1		1								X							X						23110002-026
11	G207						6	2	1	2		1													X			X			23110002-027
12	G208						6	2	1	2		1													X			X			23110002-028
13	G209						6	2	1	2		1						X							X			X			23110002-029
14	G210						6	2	1	2		1													X			X			23110002-030
15	G211						6	2	1	2		1													X			X			23110002-031
16	G212						6	2	1	2		1						X							X			X			23110002-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-20	1645		11/20/23	1645	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 11-20-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
0.2	Y	N	

PHW 9/19/19929. Added HNO_3 (93773) to G285, G313, G314, G314D, G316, and G407. Added NaOH (811662) to G278 and G407. HW 11/21.

LTG-5

23110002

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213						6	2	1	2		1							X						X			X				23110002-033
2	G214						6	2	1	2		1													X			X				23110002-034
3	G215						6	2	1	2		1							X						X			X				23110002-035
4	G216						6	2	1	2		1													X			X				23110002-036
5	G217						6	2	1	2		1							X						X			X				23110002-037
6	G218						6	2	1	2		1							X						X			X				23110002-038
7	G270						6	2	1	2		1						X		X				X		X	X	X				23110002-039
8	G271						6	2	1	2		1								X						X		X				23110002-040
9	G272						6	2	1	2		1														X		X				23110002-041
10	G273						6	2	1	2		1								X						X		X				23110002-042
11	G274						6	2	1	2		1														X		X				23110002-043
12	G275						6	2	1	2		1								X						X		X				23110002-044
13	G275D						2	1		1										X						X						23110002-045
14	G276						6	2	1	2		1								X						X		X				23110002-046
15	G277						6	2	1	2		1								X						X		X				23110002-047
16	G278			11-20-23	0931		6	2	1	2		1																X				23110002-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-23Q4 Rev 0	J. Colp	11-20	1645	Hannah Warn	11/20/23	1645

SAMPLE CONDITIONS	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 11-20-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER

UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G279						6	2	1	2		1								X						X	X	X			23110002-049
2	G280			11-20-23	0950		6	2	1	2		1						X		X				X		X	X	X			23110002-050
3	G281			↓	0856		4	1		2		1					X	X					X	X			X				23110002-051
4	G283			↓	1034		2	1		1										X						X					23110002-052
5	G284						2	1		1										X						X					23110002-053
6	G285			11-20-23	1102		2	1		1										X						X					23110002-054
7	G286						0																			X					23110002-055
8	G288						0																			X					23110002-056
9	G301			11-20-23	1042		2	1		1							X						X								23110002-057
10	G302			11-20-23	1222		2	1		1							X						X								23110002-058
11	G303						2	1		1							X						X								23110002-059
12	G305						2	1		1							X						X								23110002-060
13	G306						2	1		1							X						X								23110002-061
14	G307						2	1		1							X						X								23110002-062
15	G307D						2	1		1							X						X								23110002-063
16	G308						2	1		1							X						X								23110002-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-20	1645		11/20/23	1646	

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): 11-20-23				

ZSTPOND2

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,- Sample IDs MUST BE UNIQUE)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G309						0																X								23110002-065
2	G310			11-20-23	0949		2	1		1							X						X								23110002-066
3	G312						2	1		1							X						X								23110002-067
4	G313			11-20-23	1404		2	1		1							X						X								23110002-068
5	G314				1524		2	1		1							X						X								23110002-069
6	G314D			↓	1449		2	1		1							X						X								23110002-070
7	G315						2	1		1							X						X								23110002-071
8	G316			11-20-23	1321		2	1		1							X						X								23110002-072
9	G317						0																X								23110002-073
10	G401						4	1		2		1						X						X			X				23110002-074
11	G402						4	1		2		1						X						X			X				23110002-075
12	G403			11-20-23	1141		4	1		2		1						X						X			X				23110002-076
13	G404						4	1		2		1						X						X			X				23110002-077
14	G405						4	1		2		1						X						X			X				23110002-078
15	G406			11-20-23	1320		4	1		2		1						X						X			X				23110002-079
16	G407			11-20-23	1218		4	1		2		1						X						X			X				23110002-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-23Q4 Rev 0	J. Colp	11-20	1645		11/20/23	1645				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-20-23

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location **STATE:** IL

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX DRINKING WATER DW, WT WATER WW, P WASTE WATER SL PRODUCT OL SOIL/SOLID WP, AR OIL OT WIPE TS AIR OTHER	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
									Requested Analysis Filtered (Y/N)																									
1	G410				11-20-23	1250		4	1		2		1														X					23110002-081
2	G411				11-20-23	1350		4	1		2		1														X					23110002-082
3	G1001							2	1		1								X					X							23110002-083
4	G1003							0											X					X							23110002-084
5	L202							20	12	3	1	3	1										X									23110002-085
6	MW03D							0																		X						23110002-086
7	MW12D							0																		X	X					23110002-087
8	MW20S							0																								23110002-088
9	NE Riser							0													X					X						23110002-089
10	R104							7	2	2	2		1										X			X			X			23110002-090
11	R201							6	2	1	2		1								X			X		X			X			23110002-091
12	R205				11-20-23	1439		6	2	1	2		1													X			X			23110002-092
13	SG-02							0											X	X				X	X							23110002-093
14	SG-03							0											X	X				X	X							23110002-094
15	SG-04							0												X	X	X			X	X	X						23110002-095
16	T127							5	2	1	1		1										X									23110002-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-20	1645		11/20/23	1645		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 11-20-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

23110002

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TS

ITEM #	SAMPLE ID (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	T128						5	2	1	1		1										X								23110002-097
2	X201			11-20-23	1408		2	1		1											X				X					23110002-098
3	XPW01						2	1		1							X						X							23110002-099
4	XPW02						2	1		1							X						X							23110002-100
5	XSG-01						0										X						X							23110002-101
6	Field Blank						22	12	4	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		23110002-102
7	G102 Duplicate						7	2	2	2		1									X	X			X			X			23110002-103
8	G200 Duplicate						6	2	1	2		1							X		X				X			X			23110002-104
9	G273 Duplicate						6	2	1	2		1								X						X		X			23110002-105
10	G301 Duplicate			11-20-23	1042		2	1		1							X						X							23110002-106
11	R201 Duplicate						6	2	1	2		1							X		X				X			X			23110002-107
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Cole	11-20	1645	[signature]	11/20/23	1645	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole			Y	N	
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 11-20-23				

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G279						6	2	1	2		1								X						X	X	X				23110002-049
2	G280						6	2	1	2		1						X		X				X		X	X	X				23110002-050
3	G281						4	1		2		1					X	X					X	X			X					23110002-051
4	G283						2	1		1										X						X						23110002-052
5	G284						2	1		1										X						X						23110002-053
6	G285						2	1		1										X						X						23110002-054
7	G286						0																			X						23110002-055
8	G288						0																			X						23110002-056
9	G301						2	1		1							X						X									23110002-057
10	G302						2	1		1							X						X									23110002-058
11	G303			11-21-23	1128		2	1		1							X						X									23110002-059
12	G305						2	1		1							X						X									23110002-060
13	G306						2	1		1							X						X									23110002-061
14	G307			11-21-23	0937		2	1		1							X						X									23110002-062
15	G307D						2	1		1							X						X									23110002-063
16	G308						2	1		1							X						X									23110002-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-21	1220	Mary Kump	11/21/23	1220	#5 ☺ 2
							9.4

PH: 9079/79929 on 11/21
Added (93773) HNO_3 to G303
added NaOH(81662) to G401
OK HS

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	JUSTIN COLP	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 11-21-23				

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY: NPDES; GROUND WATER; DRINKING WATER; UST; RCRA; OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER DW; WATER WT, WW, P; WASTE WATER SL; PRODUCT OL, WP, AR; SOIL/SOLID OT, TS; OIL; WIPE; AIR; OTHER

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G309						0																X									23110002-065
2	G310						2	1		1							X						X									23110002-066
3	G312						2	1		1							X						X									23110002-067
4	G313						2	1		1							X						X									23110002-068
5	G314						2	1		1							X						X									23110002-069
6	G314D						2	1		1							X						X									23110002-070
7	G315			11-21-23	1037		2	1		1							X						X									23110002-071
8	G316						2	1		1							X						X									23110002-072
9	G317						0																X									23110002-073
10	G401			11-21-23	0924		4	1		2		1						X						X			X					23110002-074
11	G402			11-21-23	0837		4	1		2		1						X						X			X					23110002-075
12	G403						4	1		2		1						X						X			X					23110002-076
13	G404			11-21-23	1007		4	1		2		1						X						X			X					23110002-077
14	G405			11-21-23	1032		4	1		2		1						X						X			X					23110002-078
15	G406						4	1		2		1						X						X			X					23110002-079
16	G407						4	1		2		1						X						X			X					23110002-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-21	1220	Mary Kump	11/21/23	1220		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 11-21-23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

23110002

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER

UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT, WW, P; WASTE WATER SL; PRODUCT OL; SOIL/SOLID WP, AR; OIL OT; WIPE TS; AIR; OTHER

ITEM #	SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	T128						5	2	1	1		1										X								23110002-097
2	X201						2	1		1										X					X					23110002-098
3	XPW01						2	1		1							X						X								23110002-099
4	XPW02						2	1		1							X						X								23110002-100
5	XSG-01						0										X						X								23110002-101
6	Field Blank			11-21-23	1036		22	12	4	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		23110002-102
7	G102 Duplicate						7	2	2	2		1									X	X			X			X			23110002-103
8	G200 Duplicate						6	2	1	2		1							X		X				X			X			23110002-104
9	G273 Duplicate						6	2	1	2		1								X						X		X			23110002-105
10	G301 Duplicate						2	1		1							X						X								23110002-106
11	R201 Duplicate						6	2	1	2		1							X		X				X			X			23110002-107
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-21	1220	Mary Kemp	11/21/23	1220		Y	Z	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-21-23				

CHAIN-OF-CUSTODY / Analytical Request Document

23110002

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

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com
	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	T128						5	2	1	1		1										X									23110002-097
2	X201						2	1		1										X					X					23110002-098
3	XPW01						2	1		1							X						X								23110002-099
4	XPW02						2	1		1							X						X								23110002-100
5	XSG-01						0										X						X								23110002-101
6	Field Blank						22	12	4	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		23110002-102
7	G102 Duplicate						7	2	2	2		1									X	X			X			X			23110002-103
8	G200 Duplicate						6	2	1	2		1							X		X				X			X			23110002-104
9	G273 Duplicate						6	2	1	2		1								X						X		X			23110002-105
10	G301 Duplicate						2	1		1							X						X								23110002-106
11	R201 Duplicate						6	2	1	2		1							X		X				X			X			23110002-107
12	G211 (resample)	WT	G	12-6-23	1116		1	1																	X			X			23110002-108
13																															
14																															
15																															
16																															

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Cob	12-6	1307	[signature]	12/6/23	1307	#7	Y	N	
(resampling, only)							7.8			

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cob				
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	12-6-23	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

23110002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:	Section C Invoice Information:
Company:	Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address:	134 CIPS Lane, Coffeen, IL 62017	Copy To: Sam Davies-samantha.davies@vistracorp.com; John Romang - John.Romang@vistracorp.com; Scott Bell- Michael.Bell@vistracorp.com	Company Name: Vistra Corp
			Address: see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone:	(217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT:	10 day	Project Number: 2285	Profile #:

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

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test 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-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G101						5	2	1	1		1										X									23110002-001
2	G102						7	2	2	2		1									X	X			X			X			23110002-002
3	G103						7	2	2	2		1										X			X			X			23110002-003
4	G105						7	2	2	2		1										X			X			X			23110002-004
5	G106						7	2	2	2		1										X			X			X			23110002-005
6	G107						5	2	1	1		1										X									23110002-006
7	G108						5	2	1	1		1										X									23110002-007
8	G109						5	2	1	1		1										X									23110002-008
9	G110						5	2	1	1		1										X									23110002-009
10	G111						5	2	1	1		1										X									23110002-010
11	G119						5	2	1	1		1										X									23110002-011
12	G120						5	2	1	1		1										X									23110002-012
13	G121						5	2	1	1		1										X									23110002-013
14	G122						5	2	1	1		1										X									23110002-014
15	G123						5	2	1	1		1										X									23110002-015
16	G124			12-7-23	0913		5	2	1	1		1										X									23110002-016

110002 016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colo	12-7	1255	[illegible]	12/7/23	1255	#5 10.0	Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colo

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 12-7-23

Added HNO_3(94914) to G275D on 12/7
PH:90719

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125			12-7-23	1025		5	2	1	1		1										X									23110002-017
2	G126						5	2	1	1		1										X									23110002-018
3	G151						4	2		1		1																X			23110002-019
4	G152						4	2		1		1																X			23110002-020
5	G153						4	2		1		1																X			23110002-021
6	G154						5	2		2		1														X		X			23110002-022
7	G155						4	2		1		1																X			23110002-023
8	G200						6	2	1	2		1							X		X				X			X			23110002-024
9	G206						6	2	1	2		1							X						X			X			23110002-025
10	G206D						2	1		1									X						X						23110002-026
11	G207						6	2	1	2		1													X			X			23110002-027
12	G208						6	2	1	2		1													X			X			23110002-028
13	G209						6	2	1	2		1							X						X			X			23110002-029
14	G210						6	2	1	2		1													X			X			23110002-030
15	G211						6	2	1	2		1													X			X			23110002-031
16	G212						6	2	1	2		1							X						X			X			23110002-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	12-7	1255*		12/7/23	1255	Y / N

*Added relinquished time. EAH 12/18/23

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 12-7-23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

CAP845(103)2

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213						6	2	1	2		1							X						X					23110002-033
2	G214						6	2	1	2		1													X					23110002-034
3	G215						6	2	1	2		1							X						X					23110002-035
4	G216						6	2	1	2		1													X					23110002-036
5	G217						6	2	1	2		1							X						X					23110002-037
6	G218						6	2	1	2		1							X						X					23110002-038
7	G270						6	2	1	2		1						X		X				X		X	X	X			23110002-039
8	G271						6	2	1	2		1								X						X		X			23110002-040
9	G272						6	2	1	2		1														X		X			23110002-041
10	G273						6	2	1	2		1								X						X		X			23110002-042
11	G274						6	2	1	2		1														X		X			23110002-043
12	G275						6	2	1	2		1								X						X		X			23110002-044
13	G275D			12-7-23	0913		2	1		1										X						X					23110002-045
14	G276						6	2	1	2		1								X						X		X			23110002-046
15	G277						6	2	1	2		1								X						X		X			23110002-047
16	G278						6	2	1	2		1																X			23110002-048

23110002-045

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	12-7	1255		12/7/23	1255	(Y) N

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 12-7-23				

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

January 10, 2024

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-23Q4 **WorkOrder:** 23110003

Dear Eric Bauer:

TEKLAB, INC received 58 samples on 12/7/2023 12:55:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

Client: Ramboll
Work Order: 23110003
Client Project: COF-23Q4
Report Date: 10-Jan-24

This reporting package includes the following:

Definitions

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Abbr	Definition
*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Teklab, Inc.
Environmental Laboratory

Definitions

Client: Ramboll
Work Order: 23110003
Client Project: COF-23Q4
Report Date: 10-Jan-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: COF-23Q4

Work Order: 23110003
Report Date: 10-Jan-24

Cooler Receipt Temp: 6.0 °C

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

G275, G275D, G277, G284, and G312 could not be collected; the wells were dry.

G275D was resampled per Ramboll's request to re-attempt dry wells. EAH 12/7/23

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

Locations

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

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

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

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

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

Accreditations

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

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

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-001 **Client Sample ID:** G151

Matrix: GROUNDWATER **Collection Date:** 11/15/2023 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:51	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-002 **Client Sample ID:** G152

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 8:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:51	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-003 **Client Sample ID:** G153

Matrix: GROUNDWATER **Collection Date:** 11/15/2023 13:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:51	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-004 **Client Sample ID:** G154

Matrix: GROUNDWATER **Collection Date:** 11/15/2023 12:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:51	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-005 **Client Sample ID:** G155

Matrix: GROUNDWATER **Collection Date:** 11/15/2023 12:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:51	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-006 **Client Sample ID:** G200

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 10:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:51	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-007 **Client Sample ID:** G206

Matrix: GROUNDWATER **Collection Date:** 11/15/2023 14:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:52	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-008 **Client Sample ID:** G206D

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 8:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:52	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-009 **Client Sample ID:** G209

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 14:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:52	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-010 **Client Sample ID:** G212

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 13:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:52	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-011 **Client Sample ID:** G213

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 12:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:50	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-012 **Client Sample ID:** G215

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 11:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:50	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-013 **Client Sample ID:** G217

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 10:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:50	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-014 **Client Sample ID:** G218

Matrix: GROUNDWATER **Collection Date:** 11/16/2023 10:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:50	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-015 **Client Sample ID:** G270

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 9:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:48	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-016 **Client Sample ID:** G271

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 9:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:48	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-017 **Client Sample ID:** G273

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:48	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-019 **Client Sample ID:** G275D

Matrix: GROUNDWATER **Collection Date:** 12/07/2023 9:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/04/2024 11:44	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-020 **Client Sample ID:** G276

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 11:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:48	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-022 **Client Sample ID:** G279

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 12:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:49	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-023 **Client Sample ID:** G280

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 9:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 15:49	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-024 **Client Sample ID:** G281

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 8:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:00	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-025 **Client Sample ID:** G283

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 10:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:00	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-027 **Client Sample ID:** G285

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 11:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:00	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-028 **Client Sample ID:** G301

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:00	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-029 **Client Sample ID:** G302

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 12:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:00	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-030 **Client Sample ID:** G303

Matrix: GROUNDWATER **Collection Date:** 11/21/2023 11:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:01	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-031 **Client Sample ID:** G305

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 10:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:02	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-032 **Client Sample ID:** G306

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 12:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:02	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-033 **Client Sample ID:** G307

Matrix: GROUNDWATER **Collection Date:** 11/21/2023 9:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:02	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-034 **Client Sample ID:** G307D

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 11:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:02	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-035 **Client Sample ID:** G308

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 10:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:02	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-036 **Client Sample ID:** G310

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 9:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:02	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-038 **Client Sample ID:** G313

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 14:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:12	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-039 **Client Sample ID:** G314

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 15:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:12	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-040 **Client Sample ID:** G314D

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 14:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:12	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-041 **Client Sample ID:** G315

Matrix: GROUNDWATER **Collection Date:** 11/21/2023 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:12	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-042 **Client Sample ID:** G316

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 13:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:12	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-043 **Client Sample ID:** G401

Matrix: GROUNDWATER **Collection Date:** 11/21/2023 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:12	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-044 **Client Sample ID:** G402

Matrix: GROUNDWATER **Collection Date:** 11/21/2023 8:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:12	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-045 **Client Sample ID:** G403

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 11:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	01/05/2024 16:12	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-046 **Client Sample ID:** G404

Matrix: GROUNDWATER **Collection Date:** 11/21/2023 10:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:10	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-047 **Client Sample ID:** G405

Matrix: GROUNDWATER **Collection Date:** 11/21/2023 10:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:10	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-048 **Client Sample ID:** G406

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:11	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-049 **Client Sample ID:** G407

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 12:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:11	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-050 **Client Sample ID:** G410

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 12:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:11	R341573

Teklab, Inc.
Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-051 **Client Sample ID:** G411

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 13:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:11	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-052 **Client Sample ID:** G1001

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 11:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:11	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-053 **Client Sample ID:** R201

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:11	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-054 **Client Sample ID:** Field Blank

Matrix: GROUNDWATER **Collection Date:** 11/21/2023 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:09	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-055 **Client Sample ID:** G200 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 10:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:09	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-056 **Client Sample ID:** G273 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:03	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-057 **Client Sample ID:** G301 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 10:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:03	R341573

Teklab, Inc. Environmental Laboratory

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 23110003

Client Project: COF-23Q4 **Report Date:** 10-Jan-24

Lab ID: 23110003-058 **Client Sample ID:** R201 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/18/2023 12:03	R341573

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: COF-23Q4

Work Order: 23110003
Report Date: 10-Jan-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23110003-001	G151	Groundwater	1	11/15/2023 11:40
23110003-002	G152	Groundwater	1	11/20/2023 8:30
23110003-003	G153	Groundwater	1	11/15/2023 13:38
23110003-004	G154	Groundwater	1	11/15/2023 12:55
23110003-005	G155	Groundwater	1	11/15/2023 12:16
23110003-006	G200	Groundwater	1	11/14/2023 10:01
23110003-007	G206	Groundwater	1	11/15/2023 14:31
23110003-008	G206D	Groundwater	1	11/17/2023 8:42
23110003-009	G209	Groundwater	1	11/16/2023 14:39
23110003-010	G212	Groundwater	1	11/16/2023 13:12
23110003-011	G213	Groundwater	1	11/16/2023 12:48
23110003-012	G215	Groundwater	1	11/16/2023 11:52
23110003-013	G217	Groundwater	1	11/16/2023 10:43
23110003-014	G218	Groundwater	1	11/16/2023 10:13
23110003-015	G270	Groundwater	1	11/17/2023 9:13
23110003-016	G271	Groundwater	1	11/17/2023 9:42
23110003-017	G273	Groundwater	1	11/17/2023 10:37
23110003-018	G275	Groundwater	1	11/17/2023 0:00
23110003-019	G275D	Groundwater	1	12/07/2023 9:13
23110003-020	G276	Groundwater	1	11/17/2023 11:34
23110003-021	G277	Groundwater	1	11/17/2023 0:00
23110003-022	G279	Groundwater	1	11/17/2023 12:03
23110003-023	G280	Groundwater	1	11/20/2023 9:50
23110003-024	G281	Groundwater	1	11/20/2023 8:56
23110003-025	G283	Groundwater	1	11/20/2023 10:34
23110003-026	G284	Groundwater	1	11/17/2023 0:00
23110003-027	G285	Groundwater	1	11/20/2023 11:02
23110003-028	G301	Groundwater	1	11/20/2023 10:42
23110003-029	G302	Groundwater	1	11/20/2023 12:22
23110003-030	G303	Groundwater	1	11/21/2023 11:28
23110003-031	G305	Groundwater	1	11/17/2023 10:55
23110003-032	G306	Groundwater	1	11/17/2023 12:26
23110003-033	G307	Groundwater	1	11/21/2023 9:37
23110003-034	G307D	Groundwater	1	11/17/2023 11:38
23110003-035	G308	Groundwater	1	11/17/2023 10:11
23110003-036	G310	Groundwater	1	11/20/2023 9:49
23110003-037	G312	Groundwater	1	11/17/2023 0:00
23110003-038	G313	Groundwater	1	11/20/2023 14:04
23110003-039	G314	Groundwater	1	11/20/2023 15:24

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: COF-23Q4

Work Order: 23110003
Report Date: 10-Jan-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
23110003-040	G314D	Groundwater	1	11/20/2023 14:49
23110003-041	G315	Groundwater	1	11/21/2023 10:37
23110003-042	G316	Groundwater	1	11/20/2023 13:21
23110003-043	G401	Groundwater	1	11/21/2023 9:24
23110003-044	G402	Groundwater	1	11/21/2023 8:37
23110003-045	G403	Groundwater	1	11/20/2023 11:41
23110003-046	G404	Groundwater	1	11/21/2023 10:07
23110003-047	G405	Groundwater	1	11/21/2023 10:32
23110003-048	G406	Groundwater	1	11/20/2023 13:20
23110003-049	G407	Groundwater	1	11/20/2023 12:18
23110003-050	G410	Groundwater	1	11/20/2023 12:50
23110003-051	G411	Groundwater	1	11/20/2023 13:50
23110003-052	G1001	Groundwater	1	11/14/2023 11:36
23110003-053	R201	Groundwater	1	11/14/2023 10:37
23110003-054	Field Blank	Groundwater	1	11/21/2023 10:36
23110003-055	G200 Duplicate	Groundwater	1	11/14/2023 10:01
23110003-056	G273 Duplicate	Groundwater	1	11/17/2023 10:37
23110003-057	G301 Duplicate	Groundwater	1	11/20/2023 10:42
23110003-058	R201 Duplicate	Groundwater	1	11/14/2023 10:37

Teklab, Inc.
Environmental Laboratory

Receiving Check List

Client: Ramboll
Work Order: 23110003
Client Project: COF-23Q4
Report Date: 10-Jan-24

Carrier: Justin Colp
Received By: LM

Completed by: Lindsey Maddox
On: 15-Nov-23

Reviewed by: Ellie Hopkins
On: 21-Nov-23

Pages to follow: Chain of custody 26 Extra pages included 55

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 6.0
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

pH strip #90719. - lmaddox - 11/15/2023 11:14:26 AM

pH strip #90719. - amberdilallo - 11/16/2023 8:57:08 AM

Additional Nitric Acid (93773) was needed in G151, G153, and G155 upon arrival at the laboratory. - amberdilallo - 11/16/2023 8:57:17 AM

Samples collected on 11/15/23 were delivered to the laboratory on 11/15/23 at 1600 (on ice - 17.2C - LTG5). - HW/ERH 11/16/23

pH strip #90719. - lmaddox - 11/16/2023 4:50:41 PM

pH strip #90719. - amberdilallo - 11/17/2023 8:48:35 AM

Samples collected on 11/16/23 (L202) were delivered to the laboratory on 11/15/23 at 1500 (on ice - 17.6C - LTG1). - AMD 11/16/23

pH strip #90719. - amberdilallo - 11/17/2023 8:48:40 AM

Additional Nitric Acid (93773) was needed in G209 and G218 upon arrival at the laboratory. - amberdilallo - 11/17/2023 8:48:42 AM

Samples collected on 11/16/23 were delivered to the laboratory on 11/16/23 at 1615 (on ice - 3.6C - LTG1). - AMD 11/17/23

Samples collected on 11/17/23 were delivered to the laboratory on 11/17/23 at 1600 (on ice - 14.4C - LTG1). - LAM 11/20/23

Teklab, Inc.
Environmental Laboratory

Receiving Check List

Client: Ramboll
Work Order: 23110003
Client Project: COF-23Q4
Report Date: 10-Jan-24

pH strip #90719. - lmaddox - 11/20/2023 9:24:39 AM

pH strip #90719. - amberdilallo - 11/21/2023 8:54:40 AM

Additional Nitric Acid (93773) was needed in G314, G314D, G285, and G407 upon arrival at the laboratory. - amberdilallo - 11/21/2023 8:54:41 AM

Samples collected on 11/20/23 were delivered to the laboratory on 11/20/23 at 1645 (on ice - 12.2C - LTG5). - AMD 11/20/23

Sample collected on 12/7/23 were delivered to the laboratory on 12/7/23 at 1255 (on ice - 10.0C - LTG5). pH 90719. Additional nitric acid (94914) was needed upon arrival at the laboratory. - MEK 12/7/23

COF/845/103

23110003

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G101			11-14-23	1611																	X								N/A
2	G102				1537																X	X			X			X		N/A
3	G103				1513																	X			X			X		N/A
4	G105				1422																	X			X			X		N/A
5	G106				1354																	X			X			X		N/A
6	G107				1333																	X								N/A
7	G108				1315																	X								N/A
8	G109				1259																	X								N/A
9	G110				1241																	X								N/A
10	G111				1159																	X								N/A
11	G119																					X								N/A
12	G120																					X								N/A
13	G121																					X								N/A
14	G122																					X								N/A
15	G123																					X								N/A
16	G124																					X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-14	1745		11/14	1745	
Radium 226/228, only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 11-14-23 1745

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

P,H✓ 90719/~~79929~~ TF HW 11/15/23

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test ↓	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125																						X									N/A
2	G126																						X									N/A
3	G151							2			2																		X			23110003-001
4	G152							2			2																		X			23110003-002
5	G153							2			2																		X			23110003-003
6	G154							2			2																X		X			23110003-004
7	G155							2			2																		X			23110003-005
8	G200				11-14-23	1001		2			2									X		X						X				23110003-006
9	G206							2			2									X									X			23110003-007
10	G206D							2			2									X									X			23110003-008
11	G207				11-14-23	0849																							X			N/A
12	G208																												X			N/A
13	G209							2			2									X									X			23110003-009
14	G210																												X			N/A
15	G211																												X			N/A
16	G212							2			2									X									X			23110003-010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-14	1745		11/14/23	1745	#5 / 6.2 / N / 4
Radium 226/228, only.							

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	Justin Colp			
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	11-14-23	1745

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	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-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G410						2			2																	X					23110003-050
2	G411						2			2																	X					23110003-051
3	G1001			11-14-23	1136		2			2									X					X								23110003-052
4	G1003																		X					X								N/A
5	L202																						X									N/A
6	MW03D																								X							N/A
7	MW12D																								X	X						N/A
8	MW20S																															N/A
9	NE Riser																			X					X							N/A
10	R104			11-14-23	1441																		X		X			X				N/A
11	R201			11-14-23	1037		2			2										X		X		X			X				23110003-053
12	R205																								X			X				N/A
13	SG-02																	X	X					X	X							N/A
14	SG-03																	X	X					X	X							N/A
15	SG-04																		X	X	X				X	X	X					N/A
16	T127																						X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-14	1745	Daniel Wan	11/14	1745		Y	Z	
Radium 226/228, only.										

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	11-14-23	1745	

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

23110003

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information / SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	T128																				X										N/A
2	X201																			X					X						N/A
3	XPW01																X						X								N/A
4	XPW02																X						X								N/A
5	XSG-01																X						X								N/A
6	Field Blank						2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			23110003-054
7	G102 Duplicate			11-14-23	1537																X	X			X			X				N/A
8	G200 Duplicate			11-14-23	1001		2			2									X		X				X			X				23110003-055
9	G273 Duplicate						2			2										X						X			X				23110003-056
10	G301 Duplicate						2			2							X						X										23110003-057
11	R201 Duplicate			11-14-23	1037		2			2									X		X				X			X				23110003-058
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-14	1745	[signature]	11/14	1745	Y / N
Radium 226/228, only.							

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 11-14-23 1745				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G101																					X									N/A
2	G102																				X	X			X			X			N/A
3	G103																					X			X			X			N/A
4	G105																					X			X			X			N/A
5	G106																					X			X			X			N/A
6	G107																					X									N/A
7	G108																					X									N/A
8	G109																					X									N/A
9	G110																					X									N/A
10	G111																					X									N/A
11	G119			11-15-23	0952																	X									N/A
12	G120				0937																	X									N/A
13	G121				0923																	X									N/A
14	G122				0906																	X									N/A
15	G123				0847																	X									N/A
16	G124			↓	0854																	X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-23Q4 Rev 0	J. Colp	11-15	1600		11/15	1600	17.2	Y	N	Y
Radium 226/228, only.							LOT#5			

PHV 90719. Added HNO3(93773) to G101, G103, G105, G106 and G107.
1-2 2-2 1-2 2-2
HW 11/16/23

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 11-15-23

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125				11-15-23	DRY																	X								N/A
2	G126					1111																	X								N/A
3	G151					1140		2			2																			X		23110003-001
4	G152							2			2																			X		23110003-002
5	G153					1338		2			2																			X		23110003-003
6	G154					1255		2			2																X			X		23110003-004
7	G155					1216		2			2																			X		23110003-005
8	G200							2			2									X		X				X			X			23110003-006
9	G206				11-15-23	1431		2			2									X						X			X			23110003-007
10	G206D							2			2									X						X						23110003-008
11	G207																									X			X			N/A
12	G208																									X			X			N/A
13	G209							2			2									X						X			X			23110003-009
14	G210																									X			X			N/A
15	G211																									X			X			N/A
16	G212							2			2									X						X			X			23110003-010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-15	1600	Brandon Wen	11/16	11000	
Radium 226/228, only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 11-15-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G410						2			2																X				23110003-050
2	G411						2			2																X				23110003-051
3	G1001						2			2								X						X						23110003-052
4	G1003																	X						X						N/A
5	L202																					X								N/A
6	MW03D																								X					N/A
7	MW12D																								X	X				N/A
8	MW20S																													N/A
9	NE Riser																			X					X					N/A
10	R104																					X			X			X		N/A
11	R201						2			2										X		X			X			X		23110003-053
12	R205																								X			X		N/A
13	SG-02																X	X					X	X						N/A
14	SG-03																X	X					X	X						N/A
15	SG-04																	X	X	X				X	X	X				N/A
16	T127			11-15-23	1052																	X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-23Q4 Rev 0	J. Colp	11-15	1600	Hannah Wen	11/15	1600
Radium 226/228, only.						

SAMPLE CONDITIONS	Y	N	
Temp in °C			
Received on Ice (Y/N)			
Custody Sealed Cooler (Y/N)			
Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 11-15-23

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	T128			11-15-23	1011																	X									N/A
2	X201																			X					X						N/A
3	XPW01																X						X								N/A
4	XPW02																X						X								N/A
5	XSG-01																X						X								N/A
6	Field Blank						2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			23110003-054
7	G102 Duplicate																				X	X			X			X				N/A
8	G200 Duplicate						2			2									X		X				X			X				23110003-055
9	G273 Duplicate						2			2										X						X		X				23110003-056
10	G301 Duplicate						2			2							X						X									23110003-057
11	R201 Duplicate						2			2									X		X				X			X				23110003-058
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-15	1600		11/15	1600	
Radium 226/228, only.							

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): 11-15-23				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 7

Section A Required Client Information:
- Company: Vistra Corp-Coffeen
- Address: 134 CIPS Lane, Coffeen, IL 62017
- Email To: Brian.Voelker@VistraCorp.com
- Phone: (217) 753-8911 Fax:
- Requested Due Date/TAT: 10 day

Section B Required Project Information:
- Report To: Brian Voelker
- Copy To: Sam Davies-samantha.davies@vistracorp.com
  - John Romang - John.Romang@vistracorp.com
  - Scott Bell- Michael.Bell@vistracorp.com
- Purchase Order No.:
- Project Name:
- Project Number: 2285

Section C Invoice Information:
- Attention: Jason Stuckey
- Company Name: Vistra Corp
- Address: see Section A
- Quote Reference:
- Project Manager:
- Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G410						2			2																	X					23110003-050
2	G411						2			2																	X					23110003-051
3	G1001						2			2								X						X								23110003-052
4	G1003																	X						X								N/A
5	L202			11.16	13:38																	X										N/A
6	MW03D																								X							N/A
7	MW12D																								X	X						N/A
8	MW20S																															N/A
9	NE Riser																		X						X							N/A
10	R104																					X			X			X				N/A
11	R201						2			2									X		X				X			X				23110003-053
12	R205																								X			X				N/A
13	SG-02																X	X					X	X								N/A
14	SG-03																X	X					X	X								N/A
15	SG-04																	X	X	X				X	X	X						N/A
16	T127																					X										N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	T. Carroll	11.16	1500	[illegible signature]	11/16/23	1500	17.6	Y	N	Y
Radium 226/228, only.							17.1			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
- PRINT Name of SAMPLER: Daniel Crump
- SIGNATURE of SAMPLER: [signature]
- DATE Signed (MM/DD/YY): 11.16.2023

pH ✓ 9079. Omm 11/17/23
TE Omm

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane, Coffeen, IL 62017	Copy To: Sam Davies-samantha.davies@vistracorp.com; John Romang - John.Romang@vistracorp.com; Scott Bell- Michael.Bell@vistracorp.com	Company Name: Vistra Corp
		Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES | **GROUND WATER** | DRINKING WATER
UST | RCRA | OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes (MATRIX / CODE): DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125																					X										N/A
2	G126																					X										N/A
3	G151						2			2																			X			23110003-001
4	G152						2			2																			X			23110003-002
5	G153						2			2																			X			23110003-003
6	G154						2			2																	X		X			23110003-004
7	G155						2			2																			X			23110003-005
8	G200						2			2									X		X				X			X				23110003-006
9	G206						2			2									X						X			X				23110003-007
10	G206D						2			2									X						X							23110003-008
11	G207																								X			X				N/A
12	G208																								X			X				N/A
13	G209			11-16-23	1439		2			2									X						X			X				23110003-009
14	G210			10-16-23	1421																				X			X				N/A
15	G211			↓	1353																				X			X				N/A
16	G212			↓	1312		2			2									X						X			X				23110003-010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-16	1615	[signature]	11/16/23	1615	3.6 (3.6)	Y	N	Y
Radium 226/228, only.							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

PHV 90719. Added HNO3(93773) to G209 and G218. HW 11/17

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-16-23

23110003
COF-845/103

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane
	Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com
	John Romang - John.Romang@vistracorp.com
	Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213			11-16-23	1248		2			2									X						X			X			23110003-011
2	G214				1218																				X			X			N/A
3	G215				1152		2			2									X						X			X			23110003-012
4	G216				1120																				X			X			N/A
5	G217				1043		2			2									X						X			X			23110003-013
6	G218				1013		2			2									X						X			X			23110003-014
7	G270						2			2								X		X				X		X	X	X			23110003-015
8	G271						2			2										X						X		X			23110003-016
9	G272																									X		X			N/A
10	G273						2			2										X						X		X			23110003-017
11	G274																									X		X			N/A
12	G275						2			2										X						X		X			23110003-018
13	G275D						2			2										X						X					23110003-019
14	G276						2			2										X						X		X			23110003-020
15	G277						2			2										X						X		X			23110003-021
16	G278																											X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-23Q4 Rev 0	J. Colp	11-16	1615	Amber Dialls	11/16/23	1615
Radium 226/228, only.						

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-16-23

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	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-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125																					X								N/A
2	G126																					X								N/A
3	G151						2			2																		X		23110003-001
4	G152						2			2																		X		23110003-002
5	G153						2			2																		X		23110003-003
6	G154						2			2																X		X		23110003-004
7	G155						2			2																		X		23110003-005
8	G200						2			2									X		X			X			X			23110003-006
9	G206						2			2									X					X			X			23110003-007
10	G206D			11-17-23	0842		2			2									X					X						23110003-008
11	G207																							X			X			N/A
12	G208			11-17-23	0821																			X			X			N/A
13	G209						2			2									X					X			X			23110003-009
14	G210																							X			X			N/A
15	G211																							X			X			N/A
16	G212						2			2									X					X			X			23110003-010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-17	1400	[signature]	11/17	1400	14.4	Y	N	Y
Radium 226/228, only.							LKW			

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 11-17-23	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

PH:90719 LM 11/20

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane Coffeen, IL 62017	Copy To: Sam Davies-samantha.davies@vistracorp.com John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Company Name: Vistra Corp Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-611-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213						2			2										X					X			X			23110003-011
2	G214																								X			X			N/A
3	G215						2			2										X					X			X			23110003-012
4	G216																								X			X			N/A
5	G217						2			2										X					X			X			23110003-013
6	G218						2			2										X					X			X			23110003-014
7	G270			11-7-23	0913		2			2									X		X				X		X	X	X		23110003-015
8	G271				0942		2			2											X					X		X			23110003-016
9	G272				1019																					X		X			N/A
10	G273				1037		2			2											X					X		X			23110003-017
11	G274				1100																					X		X			N/A
12	G275				DRY		2			2											X					X		X			23110003-018
13	G275D				DRY		2			2											X					X					23110003-019
14	G276				1134		2			2											X					X		X			23110003-020
15	G277			↓	DRY		2			2											X					X		X			23110003-021
16	G278																											X			N/A

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-17	1400	Mark Wa	11/17	1400	
Radium 226/228, only.							

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			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-17-23				

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-611-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G279			11-17-23	1203		2			2										X						X	X	X			23110003-022
2	G280						2			2								X		X				X		X	X	X			23110003-023
3	G281						2			2							X	X					X	X			X				23110003-024
4	G283						2			2										X						X					23110003-025
5	G284			11-17-23	DRY		2			2										X						X					23110003-026
6	G285						2			2										X						X					23110003-027
7	G286																									X					N/A
8	G288																									X					N/A
9	G301						2			2							X						X								23110003-028
10	G302						2			2							X						X								23110003-029
11	G303						2			2							X						X								23110003-030
12	G305			11-17-23	1055		2			2							X						X								23110003-031
13	G306			11-17-23	1226		2			2							X						X								23110003-032
14	G307						2			2							X						X								23110003-033
15	G307D			11-17-23	1138		2			2							X						X								23110003-034
16	G308			11-17-23	1011		2			2							X						X								23110003-035

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-17	1400	Andrea	11/17	1400	
Radium 226/228, only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 11-17-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G309																						X							N/A
2	G310						2			2							X						X							23110003-036
3	G312			11-17-23	0124		2			2							X						X							23110003-037
4	G313						2			2							X						X							23110003-038
5	G314						2			2							X						X							23110003-039
6	G314D						2			2							X						X							23110003-040
7	G315						2			2							X						X							23110003-041
8	G316						2			2							X						X							23110003-042
9	G317																						X							N/A
10	G401						2			2								X						X			X				23110003-043
11	G402						2			2								X						X			X				23110003-044
12	G403						2			2								X						X			X				23110003-045
13	G404						2			2								X						X			X				23110003-046
14	G405						2			2								X						X			X				23110003-047
15	G406						2			2								X						X			X				23110003-048
16	G407						2			2								X						X			X				23110003-049

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-17	1400	[signature]	11/17	1400	
Radium 226/228, only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-17-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	T128																					X									N/A
2	X201																			X					X						N/A
3	XPW01			11-17-23	0939												X						X								N/A
4	XPW02			11-17-23	0902												X						X								N/A
5	XSG-01																X						X								N/A
6	Field Blank						2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			23110003-054
7	G102 Duplicate																				X	X			X			X				N/A
8	G200 Duplicate						2			2									X		X				X			X				23110003-055
9	G273 Duplicate			11-17-23	1037		2			2										X						X		X				23110003-056
10	G301 Duplicate						2			2							X						X									23110003-057
11	R201 Duplicate						2			2									X		X				X			X				23110003-058
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-23Q4 Rev 0	J. Colp	11-17	1400	Heather Wan	11/17	1400				
Radium 226/228, only.										

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): 11-17-23				

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	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-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G125																					X								N/A
2	G126																					X								N/A
3	G151							2			2																X			23110003-001
4	G152				11-20-23	0830		2			2																X			23110003-002
5	G153							2			2																X			23110003-003
6	G154							2			2															X	X			23110003-004
7	G155							2			2																X			23110003-005
8	G200							2			2										X		X				X			23110003-006
9	G206							2			2										X						X			23110003-007
10	G206D							2			2										X									23110003-008
11	G207																				X						X			N/A
12	G208																				X						X			N/A
13	G209							2			2										X						X			23110003-009
14	G210																				X						X			N/A
15	G211																				X						X			N/A
16	G212							2			2										X						X			23110003-010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-23Q4 Rev 0	J. Colp	11-20	1645	[signature]	11/20/23	1645
Radium 226/228, only.						

SAMPLE CONDITIONS			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1.2	Y ✓	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-20-23

PH 90719
Added HNO_3 to G3H, G34D, G285, G407 (93773)

LTG 5

LM 11/21

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location **STATE:** IL

Section D Required Client Information	Valid Matrix Codes MATRIX	CODE
	DRINKING WATER	DW
	WATER	WT
	WASTE WATER	WW
	PRODUCT	P
	SOIL/SOLID	SL
	OIL	OL
	WIPE	WP
	AIR	AR
	OTHER	OT
	TISSUE	TS

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	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-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213						2			2									X					X			X			23110003-011
2	G214																							X			X			N/A
3	G215						2			2									X					X			X			23110003-012
4	G216																							X			X			N/A
5	G217						2			2									X					X			X			23110003-013
6	G218						2			2									X					X			X			23110003-014
7	G270						2			2								X		X				X		X	X	X		23110003-015
8	G271						2			2										X					X		X			23110003-016
9	G272																								X		X			N/A
10	G273						2			2										X					X		X			23110003-017
11	G274																								X		X			N/A
12	G275						2			2										X					X		X			23110003-018
13	G275D						2			2										X					X					23110003-019
14	G276						2			2										X					X		X			23110003-020
15	G277						2			2										X					X		X			23110003-021
16	G278			11-20-23	0931																					X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-20	1645		11/20/23	1645	
Radium 226/228, only.							

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): 11-20-23				

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location **STATE:** IL

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	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-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G279						2			2										X						X	X	X			23110003-022
2	G280			11-20-23	0950		2			2								X		X				X		X	X	X			23110003-023
3	G281			↓	0856		2			2							X	X					X	X			X				23110003-024
4	G283				1034		2			2										X						X					23110003-025
5	G284						2			2										X						X					23110003-026
6	G285			11-20-23	1102		2			2										X						X					23110003-027
7	G286																									X					N/A
8	G288																									X					N/A
9	G301			11-20-23	1042		2			2							X						X								23110003-028
10	G302			11-20-23	1222		2			2							X						X								23110003-029
11	G303						2			2							X						X								23110003-030
12	G305						2			2							X						X								23110003-031
13	G306						2			2							X						X								23110003-032
14	G307						2			2							X						X								23110003-033
15	G307D						2			2							X						X								23110003-034
16	G308						2			2							X						X								23110003-035

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-20	1645	[signature]	11/20/23	1645	
Radium 226/228, only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-20-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

23110003

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

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

Valid Matrix Codes: DRINKING WATER (DW), WATER (WT), WASTE WATER (WW), PRODUCT (P), SOIL/SOLID (SL), OIL (OL), WIPE (WP), AIR (AR), OTHER (OT), TISSUE (TS)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G309																						X								N/A
2	G310			11-20-23	0949		2			2							X						X								23110003-036
3	G312						2			2							X						X								23110003-037
4	G313			11-20-23	1404		2			2							X						X								23110003-038
5	G314			11-20-23	1524		2			2							X						X								23110003-039
6	G314D			11-20-23	1449		2			2							X						X								23110003-040
7	G315						2			2							X						X								23110003-041
8	G316			11-20-23	1321		2			2							X						X								23110003-042
9	G317																						X								N/A
10	G401						2			2								X						X			X					23110003-043
11	G402						2			2								X						X			X					23110003-044
12	G403			11-20-23	1141		2			2								X						X			X					23110003-045
13	G404						2			2								X						X			X					23110003-046
14	G405						2			2								X						X			X					23110003-047
15	G406			11-20-23	1320		2			2								X						X			X					23110003-048
16	G407			11-20-23	1218		2			2								X						X			X					23110003-049

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-20	1645		11/20/23	1645		Y	N	
Radium 226/228, only.										

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	11-20-23		

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G410			11-20-23	1250		2			2																X					23110003-050
2	G411			11-20-23	1350		2			2																X					23110003-051
3	G1001						2			2								X						X							23110003-052
4	G1003																	X						X							N/A
5	L202																					X									N/A
6	MW03D																								X						N/A
7	MW12D																								X	X					N/A
8	MW20S																														N/A
9	NE Riser																		X						X						N/A
10	R104																					X			X			X			N/A
11	R201						2			2									X		X				X			X			23110003-053
12	R205			11-20-23	1439																				X			X			N/A
13	SG-02																X	X					X	X							N/A
14	SG-03																X	X					X	X							N/A
15	SG-04																	X	X	X				X	X	X					N/A
16	T127																					X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-20	1645		11/20/23	1645	
Radium 226/228, only.							

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	11-20-23

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location **STATE:** IL

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	T128																				X										N/A
2	X201			11-20-23	1408															X					X						N/A
3	XPW01																X						X								N/A
4	XPW02																X						X								N/A
5	XSG-01																X						X								N/A
6	Field Blank						2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			23110003-054
7	G102 Duplicate																				X	X			X			X				N/A
8	G200 Duplicate						2			2									X		X				X			X				23110003-055
9	G273 Duplicate						2			2										X						X		X				23110003-056
10	G301 Duplicate			11-20-23	1042		2			2							X						X									23110003-057
11	R201 Duplicate						2			2									X		X				X			X				23110003-058
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-20	1645		11/20/23	1645	
Radium 226/228, only.							

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			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-20-23				

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	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-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G279						2			2										X						X	X	X				23110003-022
2	G280						2			2								X		X				X		X	X	X				23110003-023
3	G281						2			2							X	X					X	X			X					23110003-024
4	G283						2			2										X						X						23110003-025
5	G284						2			2										X						X						23110003-026
6	G285						2			2										X						X						23110003-027
7	G286																									X						N/A
8	G288																									X						N/A
9	G301						2			2							X						X									23110003-028
10	G302						2			2							X						X									23110003-029
11	G303			11-21-23	1128		2			2							X						X									23110003-030
12	G305						2			2							X						X									23110003-031
13	G306						2			2							X						X									23110003-032
14	G307			11-21-23	0937		2			2							X						X									23110003-033
15	G307D						2			2							X						X									23110003-034
16	G308						2			2							X						X									23110003-035

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Colp	11-21	1220	Mary Kump	11/21/23	1220	5 (>) N
Radium 226/228, only.							9.4

PH: 9.07 19 wn 11/21

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 11-21-23

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

23110003

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-Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS Lane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:		Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	2285	Profile #:	

REGULATORY AGENCY

NPDES **GROUND WATER** DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	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-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G309																	X													N/A
2	G310							2			2						X	X														23110003-036
3	G312							2			2						X	X														23110003-037
4	G313							2			2						X	X														23110003-038
5	G314							2			2						X	X														23110003-039
6	G314D							2			2						X	X														23110003-040
7	G315				11-21-23	1037		2			2						X	X														23110003-041
8	G316							2			2						X	X														23110003-042
9	G317																	X														N/A
10	G401				11-21-23	0924		2			2								X					X			X					23110003-043
11	G402				11-21-23	0837		2			2								X					X			X					23110003-044
12	G403							2			2								X					X			X					23110003-045
13	G404				11-21-23	1007		2			2								X					X			X					23110003-046
14	G405				11-21-23	1032		2			2								X					X			X					23110003-047
15	G406							2			2								X					X			X					23110003-048
16	G407							2			2								X					X			X					23110003-049

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-21	1220	Mary Klump	11/21/23	1220		Y	N	
Radium 226/228, only.										

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): 11-21-23				

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:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	Sample ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	T128																					X								N/A
2	X201																			X					X					N/A
3	XPW01																X						X							N/A
4	XPW02																X						X							N/A
5	XSG-01																X						X							N/A
6	Field Blank			11-21-23	1036		2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		23110003-054
7	G102 Duplicate																				X	X			X			X			N/A
8	G200 Duplicate						2			2									X		X				X			X			23110003-055
9	G273 Duplicate						2			2										X						X		X			23110003-056
10	G301 Duplicate						2			2							X						X								23110003-057
11	R201 Duplicate						2			2									X		X				X			X			23110003-058
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-23Q4 Rev 0	J. Colp	11-21	1220	Mary Kump	11/21/23	1220
Radium 226/228, only.						

SAMPLE CONDITIONS: Temp in °C | Received on Ice (Y/N): Y | Custody Sealed Cooler (Y/N): N | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 11-21-23

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-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G213						2			2									X						X			X				23110003-011
2	G214																								X			X				N/A
3	G215						2			2									X						X			X				23110003-012
4	G216																								X			X				N/A
5	G217						2			2									X						X			X				23110003-013
6	G218						2			2									X						X			X				23110003-014
7	G270						2			2								X		X				X		X	X	X				23110003-015
8	G271						2			2										X						X		X				23110003-016
9	G272																									X		X				N/A
10	G273						2			2										X						X		X				23110003-017
11	G274																									X		X				N/A
12	G275						2			2										X						X		X				23110003-018
13	G275D			12-7-23	0913		2			2										X						X						23110003-019
14	G276						2			2										X						X		X				23110003-020
15	G277						2			2										X						X		X				23110003-021
16	G278																											X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	12-7	1255		12/7/23	1755	#5	Y	N	
Radium 226/228, only.							10.0			

Added HNO_3 (94914)
LM 12/7
PH: 90719

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): 12-7-23				

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 1/9/2024 4:30:29 PM

JOB DESCRIPTION

Radium-226 and Radium-228
23110003

JOB NUMBER

160-52329-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

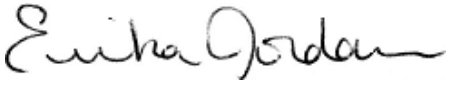
Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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

Table of Contents

CASE NARRATIVE

Client: TekLab, Inc

Project: Radium-226 and Radium-228

Report Number: 160-52329

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Receipt
The samples were received on 11/22/2023 1:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 5 coolers at receipt time were 13.9°C, 15.7°C, 16.7°C, 17.9°C and 18.2°C

Receipt Exceptions
The reference method requires samples to be preserved to a pH of <pH_value>. The following samples were received with insufficient preservation at a pH of 7: 23110003-009 (160-52329-9), 23110003-049 (160-52329-49) and 23110003-058 (160-52329-58). The samples were preserved to the appropriate pH in the laboratory.

Method 903.0 - Radium-226 (GFPC)
Samples 23110003-001 (52329-1), 23110003-002 (52329-2), 23110003-003 (52329-3), 23110003-004 (52329-4), 23110003-005 (52329-5), 23110003-006 (52329-6), 23110003-007 (52329-7), 23110003-008 (52329-8), 23110003-009 (52329-9), 23110003-010 (52329-10), 23110003-011 (52329-11), 23110003-012 (52329-12), 23110003-013 (52329-13), 23110003-014 (52329-14), 23110003-015 (52329-15), 23110003-016 (52329-16), 23110003-017 (52329-17), 23110003-019 (52329-19), 23110003-020 (52329-20), 23110003-022 (52329-22), 23110003-023 (52329-23), 23110003-024 (52329-24), 23110003-025 (52329-25), 23110003-027 (52329-27), 23110003-028 (52329-28), 23110003-029 (52329-29), 23110003-030 (52329-30), 23110003-031 (52329-31), 23110003-032 (52329-32), 23110003-033 (52329-33), 23110003-034 (52329-34), 23110003-035 (52329-35),

Case Narrative

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

Job ID: 160-52329-1

Job ID: 160-52329-1 (Continued) Eurofins St. Louis

23110003-036 (52329-36), 23110003-038 (52329-38), 23110003-039 (52329-39), 23110003-040 (52329-40), 23110003-041 (52329-41), 23110003-042 (52329-42), 23110003-043 (52329-43), 23110003-044 (52329-44), 23110003-045 (52329-45), 23110003-046 (52329-46), 23110003-047 (52329-47), 23110003-048 (52329-48), 23110003-049 (52329-49), 23110003-050 (52329-50), 23110003-051 (52329-51), 23110003-052 (52329-52), 23110003-053 (52329-53), 23110003-054 (52329-54), 23110003-055 (52329-55), 23110003-056 (52329-56), 23110003-057 (52329-57) and 23110003-058 (52329-58) were analyzed for Radium-226 (GFPC). The samples were prepared on 11/28/2023 and 12/12/2023 and analyzed on 12/27/2023, 1/5/2024 and 1/8/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method 904.0 - Radium-228 (GFPC)
Samples 23110003-001 (52329-1), 23110003-002 (52329-2), 23110003-003 (52329-3), 23110003-004 (52329-4), 23110003-005 (52329-5), 23110003-006 (52329-6), 23110003-007 (52329-7), 23110003-008 (52329-8), 23110003-009 (52329-9), 23110003-010 (52329-10), 23110003-011 (52329-11), 23110003-012 (52329-12), 23110003-013 (52329-13), 23110003-014 (52329-14), 23110003-015 (52329-15), 23110003-016 (52329-16), 23110003-017 (52329-17), 23110003-019 (52329-19), 23110003-020 (52329-20), 23110003-022 (52329-22), 23110003-023 (52329-23), 23110003-024 (52329-24), 23110003-025 (52329-25), 23110003-027 (52329-27), 23110003-028 (52329-28), 23110003-029 (52329-29), 23110003-030 (52329-30), 23110003-031 (52329-31), 23110003-032 (52329-32), 23110003-033 (52329-33), 23110003-034 (52329-34), 23110003-035 (52329-35), 23110003-036 (52329-36), 23110003-038 (52329-38), 23110003-039 (52329-39), 23110003-040 (52329-40), 23110003-041 (52329-41), 23110003-042 (52329-42), 23110003-043 (52329-43), 23110003-044 (52329-44), 23110003-045 (52329-45), 23110003-046 (52329-46), 23110003-047 (52329-47), 23110003-048 (52329-48), 23110003-049 (52329-49), 23110003-050 (52329-50), 23110003-051 (52329-51), 23110003-052 (52329-52), 23110003-053 (52329-53), 23110003-054 (52329-54), 23110003-055 (52329-55), 23110003-056 (52329-56), 23110003-057 (52329-57) and 23110003-058 (52329-58) were analyzed for Radium-228 (GFPC). The samples were prepared on 11/28/2023 and 12/12/2023 and analyzed on 12/18/2023, 1/4/2024 and 1/5/2024.

The detection goal was not met for the following sample(s). Samples were prepped at a reduced volume due to the presence of matrix interferences: 23110003-052 (160-52329-52) and 23110003-055 (160-52329-55). Analytical results are reported with the detection limit achieved.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 23110003-001 (52329-1), 23110003-002 (52329-2), 23110003-003 (52329-3), 23110003-004 (52329-4), 23110003-005 (52329-5), 23110003-006 (52329-6), 23110003-007 (52329-7), 23110003-008 (52329-8), 23110003-009 (52329-9), 23110003-010 (52329-10), 23110003-011 (52329-11), 23110003-012 (52329-12), 23110003-013 (52329-13), 23110003-014 (52329-14), 23110003-015 (52329-15), 23110003-016 (52329-16), 23110003-017 (52329-17), 23110003-019 (52329-19), 23110003-020 (52329-20), 23110003-022 (52329-22), 23110003-023 (52329-23), 23110003-024 (52329-24), 23110003-025 (52329-25), 23110003-027 (52329-27), 23110003-028 (52329-28), 23110003-029 (52329-29), 23110003-030 (52329-30), 23110003-031 (52329-31), 23110003-032 (52329-32), 23110003-033 (52329-33), 23110003-034 (52329-34), 23110003-035 (52329-35), 23110003-036 (52329-36), 23110003-038 (52329-38), 23110003-039 (52329-39), 23110003-040 (52329-40), 23110003-041 (52329-41), 23110003-042 (52329-42), 23110003-043 (52329-43), 23110003-044 (52329-44), 23110003-045 (52329-45), 23110003-046 (52329-46), 23110003-047 (52329-47), 23110003-048 (52329-48), 23110003-049 (52329-49), 23110003-050 (52329-50), 23110003-051 (52329-51), 23110003-052 (52329-52), 23110003-053 (52329-53), 23110003-054 (52329-54), 23110003-055 (52329-55), 23110003-056 (52329-56), 23110003-057 (52329-57) and 23110003-058 (52329-58) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/27/2023 and 1/9/2024.

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

Cooler Temp: Sampler: QC Level: 2

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

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# 23110003

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 35307 Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Ra226	Ra228
	23110003-001	11/15/23 1140	HNO3	Groundwater		✔	✔
	23110003-002	11/20/23 0830	HNO3	Groundwater		✔	✔
	23110003-003	11/15/23 1338	HNO3	Groundwater		✔	✔
	23110003-004	11/15/23 1255	HNO3	Groundwater	✔	✔	✔
	23110003-005	11/15/23 1216	HNO3	Groundwater		✔	✔
	23110003-006	11/14/23 1001	HNO3	Groundwater	✔		
	23110003-007	11/15/23 1431	HNO3	Groundwater	✔		
	23110003-008	11/17/23 0842	HNO3	Groundwater	✔		
	23110003-009	11/16/23 1439	HNO3	Groundwater	✔		
	23110003-010	11/16/23 1312	HNO3	Groundwater	✔		
	23110003-011	11/16/23 1248	HNO3	Groundwater	✔		

160-52329 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	11/21/23	[signature]	11/22/23 1305

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3/2/2016

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level: 2

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# 23110003

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 35307
Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Ra226	Ra228									
	23110003-012	11/16/23 1152	HNO3	Groundwater	✔											
	23110003-013	11/16/23 1043	HNO3	Groundwater	✔											
	23110003-014	11/16/23 1013	HNO3	Groundwater	✔											
	23110003-015	11/17/23 0913	HNO3	Groundwater	✔											
	23110003-016	11/17/23 0942	HNO3	Groundwater	✔											
	23110003-017	11/17/23 1037	HNO3	Groundwater	✔											
	23110003-018	Dry	HNO3	Groundwater	✔											
	23110003-019	Dry	HNO3	Groundwater	✔											
	23110003-020	11/17/23 1134	HNO3	Groundwater	✔											
	23110003-021	Dry	HNO3	Groundwater	✔											
	23110003-022	11/17/23 1203	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
[illegible]	11/21/23	[illegible]	11/22/23 1305

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3/2/2016

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Pg 3 of 6

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level: 2

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# 23110003

Contact: Elizabeth Hurley
Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT
Billing/PO: 35307
Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Ra226	Ra228
	23110003-023	11/20/23 0950	HNO3	Groundwater	✔		
	23110003-024	11/20/23 0856	HNO3	Groundwater	✔		
	23110003-025	11/20/23 1034	HNO3	Groundwater	✔		
	23110003-026	Dry	HNO3	Groundwater	✔		
	23110003-027	11/20/23 1102	HNO3	Groundwater	✔		
	23110003-028	11/20/23 1042	HNO3	Groundwater	✔		
	23110003-029	11/20/23 1222	HNO3	Groundwater	✔		
	23110003-030	11/21/23 1128	HNO3	Groundwater	✔		
	23110003-031	11/17/23 1055	HNO3	Groundwater	✔		
	23110003-032	11/17/23 1226	HNO3	Groundwater	✔		
	23110003-033	11/21/23 0937	HNO3	Groundwater	✔		

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	11/21/23	[signature]	11/22/23 1305

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3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level: 2

Project# 23110003

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: 35307 Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Ra226	Ra228									
	23110003-034	11/17/23 1138	HNO3	Groundwater	✔											
	23110003-035	11/17/23 1011	HNO3	Groundwater	✔											
	23110003-036	11/20/23 0949	HNO3	Groundwater	✔											
	23110003-037	Dry	HNO3	Groundwater	✔											
	23110003-038	11/20/23 1404	HNO3	Groundwater	✔											
	23110003-039	11/20/23 1524	HNO3	Groundwater	✔											
	23110003-040	11/20/23 1449	HNO3	Groundwater	✔											
	23110003-041	11/21/23 1037	HNO3	Groundwater	✔											
	23110003-042	11/20/23 1321	HNO3	Groundwater	✔											
	23110003-043	11/21/23 0924	HNO3	Groundwater	✔											
	23110003-044	11/21/23 0837	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	11/22/23		11/22/23 1305

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3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level: 2

Project# 23110003

Contact: Elizabeth Hurley
Requested Due Date: Standad TAT
Email: ehurley@teklabinc.com
Billing/PO: 35307

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

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Ra226	Ra228									
	23110003-045	11/20/23 1141	HNO3	Groundwater	✔											
	23110003-046	11/21/23 1007	HNO3	Groundwater	✔											
	23110003-047	11/21/23 1032	HNO3	Groundwater	✔											
	23110003-048	11/20/23 1320	HNO3	Groundwater	✔											
	23110003-049	11/20/23 1218	HNO3	Groundwater	✔											
	23110003-050	11/20/23 1250	HNO3	Groundwater	✔											
	23110003-051	11/20/23 1350	HNO3	Groundwater	✔											
	23110003-052	11/14/23 1136	HNO3	Groundwater	✔											
	23110003-053	11/14/23 1037	HNO3	Groundwater	✔											
	23110003-054	11/21/23 1036	HNO3	Aqueous	✔	✔	✔									
	23110003-055	11/14/23 1001	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	11/21/23	[signature]	11/22/23 1305

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3/2/2016

Pg 6 of 6

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level: 2

Project# 23110003

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: 35307
Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Ra226	Ra228
	23110003-056	11/17/23 1037	HNO3	Groundwater	✔		
	23110003-057	11/20/23 1042	HNO3	Groundwater	✔		
	23110003-058	11/14/23 1037	HNO3	Groundwater	✔		
			HNO3	Groundwater			
			HNO3	Groundwater			
			HNO3	Groundwater			
			HNO3	Groundwater			
			HNO3	Groundwater			
			HNO3	Groundwater			
			HNO3	Groundwater			
			HNO3	Groundwater			

*Relinquished By	Date/Time	Received By	Date/Time
[illegible signature]	11/21/23	[illegible signature]	11/22/23 1305

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3/2/2016

TEKLAB, INC. Chain of Custody

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

160-52490 Chain of Custody

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: Justin Colp | QC Level: 3

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 by your standard procedures.
Batch QC is required for all analyses requested.

Project# 23110003

Contact: Elizabeth A. Hurley | Email: EHurley@teklabinc.com
Requested Due Date: NTAT | Billing/PO: 35467 | Phone: 618-344-1004 ext 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228											
	23110003-019	12/7/23 0913	HNO3	Groundwater	✔											
			Other	Drinking Water												
			Unpres	Aqueous												
			HNO3	Drinking Water												
			HNO3	Drinking Water												
			HNO3	Drinking Water												
			HNO3	Drinking Water												
			HNO3	Drinking Water												
			HNO3	Drinking Water												
			HNO3	Drinking Water												
			Unpres	Aqueous												

*Relinquished By	Date/Time	Received By	Date/Time
		Micha Korinhizer	12/8/2023
		~~Micha Korinhizer~~	

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2023
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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SubCocRevA
3/2/2016

1/9/2024

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-52329-1
SDG Number: 23110003

Login Number: 52329
List Number: 1
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	Preserved upon arrival
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

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

Job ID: 160-52329-1
SDG: 23110003

Qualifiers

Rad

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

Glossary

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

Method Summary

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

Job ID: 160-52329-1
SDG: 23110003

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

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

Sample Summary

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

Job ID: 160-52329-1
SDG: 23110003

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-52329-1	23110003-001	Water	11/15/23 11:40	11/22/23 13:05
160-52329-2	23110003-002	Water	11/20/23 08:30	11/22/23 13:05
160-52329-3	23110003-003	Water	11/15/23 13:38	11/22/23 13:05
160-52329-4	23110003-004	Water	11/15/23 12:55	11/22/23 13:05
160-52329-5	23110003-005	Water	11/15/23 12:16	11/22/23 13:05
160-52329-6	23110003-006	Water	11/14/23 10:01	11/22/23 13:05
160-52329-7	23110003-007	Water	11/15/23 14:31	11/22/23 13:05
160-52329-8	23110003-008	Water	11/17/23 08:42	11/22/23 13:05
160-52329-9	23110003-009	Water	11/16/23 14:39	11/22/23 13:05
160-52329-10	23110003-010	Water	11/16/23 13:12	11/22/23 13:05
160-52329-11	23110003-011	Water	11/16/23 12:48	11/22/23 13:05
160-52329-12	23110003-012	Water	11/16/23 11:52	11/22/23 13:05
160-52329-13	23110003-013	Water	11/16/23 10:43	11/22/23 13:05
160-52329-14	23110003-014	Water	11/16/23 10:13	11/22/23 13:05
160-52329-15	23110003-015	Water	11/17/23 09:13	11/22/23 13:05
160-52329-16	23110003-016	Water	11/17/23 09:42	11/22/23 13:05
160-52329-17	23110003-017	Water	11/17/23 10:37	11/22/23 13:05
160-52329-19	23110003-019	Water	12/07/23 09:13	11/22/23 13:05
160-52329-20	23110003-020	Water	11/17/23 11:34	11/22/23 13:05
160-52329-22	23110003-022	Water	11/17/23 12:03	11/22/23 13:05
160-52329-23	23110003-023	Water	11/20/23 09:50	11/22/23 13:05
160-52329-24	23110003-024	Water	11/20/23 08:56	11/22/23 13:05
160-52329-25	23110003-025	Water	11/20/23 10:34	11/22/23 13:05
160-52329-27	23110003-027	Water	11/20/23 11:02	11/22/23 13:05
160-52329-28	23110003-028	Water	11/20/23 10:42	11/22/23 13:05
160-52329-29	23110003-029	Water	11/20/23 12:22	11/22/23 13:05
160-52329-30	23110003-030	Water	11/21/23 11:28	11/22/23 13:05
160-52329-31	23110003-031	Water	11/17/23 10:55	11/22/23 13:05
160-52329-32	23110003-032	Water	11/17/23 12:26	11/22/23 13:05
160-52329-33	23110003-033	Water	11/21/23 09:37	11/22/23 13:05
160-52329-34	23110003-034	Water	11/17/23 11:38	11/22/23 13:05
160-52329-35	23110003-035	Water	11/17/23 10:11	11/22/23 13:05
160-52329-36	23110003-036	Water	11/20/23 09:49	11/22/23 13:05
160-52329-38	23110003-038	Water	11/20/23 14:04	11/22/23 13:05
160-52329-39	23110003-039	Water	11/20/23 15:24	11/22/23 13:05
160-52329-40	23110003-040	Water	11/20/23 14:49	11/22/23 13:05
160-52329-41	23110003-041	Water	11/21/23 10:37	11/22/23 13:05
160-52329-42	23110003-042	Water	11/20/23 13:21	11/22/23 13:05
160-52329-43	23110003-043	Water	11/21/23 09:24	11/22/23 13:05
160-52329-44	23110003-044	Water	11/21/23 08:37	11/22/23 13:05
160-52329-45	23110003-045	Water	11/20/23 11:41	11/22/23 13:05
160-52329-46	23110003-046	Water	11/21/23 10:07	11/22/23 13:05
160-52329-47	23110003-047	Water	11/21/23 10:32	11/22/23 13:05
160-52329-48	23110003-048	Water	11/20/23 13:20	11/22/23 13:05
160-52329-49	23110003-049	Water	11/20/23 12:18	11/22/23 13:05
160-52329-50	23110003-050	Water	11/20/23 12:50	11/22/23 13:05
160-52329-51	23110003-051	Water	11/20/23 13:50	11/22/23 13:05
160-52329-52	23110003-052	Water	11/14/23 11:36	11/22/23 13:05
160-52329-53	23110003-053	Water	11/14/23 10:37	11/22/23 13:05
160-52329-54	23110003-054	Water	11/21/23 10:36	11/22/23 13:05
160-52329-55	23110003-055	Water	11/14/23 10:01	11/22/23 13:05
160-52329-56	23110003-056	Water	11/17/23 10:37	11/22/23 13:05
160-52329-57	23110003-057	Water	11/20/23 10:42	11/22/23 13:05
160-52329-58	23110003-058	Water	11/14/23 10:37	11/22/23 13:05

Client Sample ID: 23110003-001
Date Collected: 11/15/23 11:40
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.290		0.209	0.211	1.00	0.290	pCi/L	11/28/23 10:15	01/08/24 15:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.935		0.607	0.614	1.00	0.892	pCi/L	11/28/23 10:19	01/05/24 15:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:51*	*1*
Y Carrier	*82.2*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.23		0.642	0.649	5.00	0.892	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-002
Date Collected: 11/20/23 08:30
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.297	U	0.256	0.258	1.00	0.393	pCi/L	11/28/23 10:15	01/08/24 15:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.83		0.735	0.754	1.00	0.923	pCi/L	11/28/23 10:19	01/05/24 15:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:51*	*1*
Y Carrier	*81.1*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.13		0.778	0.797	5.00	0.923	pCi/L		01/09/24 14:58	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-003

Date Collected: 11/15/23 13:38
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-3

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.154	U	0.145	0.146	1.00	0.225	pCi/L	11/28/23 10:15	01/08/24 15:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0469	U	0.316	0.316	1.00	0.589	pCi/L	11/28/23 10:19	01/05/24 15:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:51*	*1*
Y Carrier	*81.5*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.201	U	0.348	0.348	5.00	0.589	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-004

Date Collected: 11/15/23 12:55
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-4

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.718**		0.289	0.296	1.00	0.299	pCi/L	11/28/23 10:15	01/08/24 15:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:09*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.09**		0.663	0.671	1.00	0.964	pCi/L	11/28/23 10:19	01/05/24 15:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:51*	*1*
Y Carrier	*82.2*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.81**		0.723	0.733	5.00	0.964	pCi/L		01/09/24 14:58	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-005
Date Collected: 11/15/23 12:16
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-5
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.434		0.241	0.244	1.00	0.291	pCi/L	11/28/23 10:15	01/08/24 15:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:09*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.18		0.697	0.705	1.00	0.999	pCi/L	11/28/23 10:19	01/05/24 15:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:51*	*1*
Y Carrier	*81.1*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.61		0.737	0.746	5.00	0.999	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-006
Date Collected: 11/14/23 10:01
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-6
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.70		0.414	0.442	1.00	0.278	pCi/L	11/28/23 10:15	01/08/24 15:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:09*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.05		0.766	0.789	1.00	0.918	pCi/L	11/28/23 10:19	01/05/24 15:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:51*	*1*
Y Carrier	*83.7*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	3.75		0.871	0.904	5.00	0.918	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-007
Date Collected: 11/15/23 14:31
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-7
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00674	U	0.0847	0.0847	1.00	0.170	pCi/L	11/28/23 10:15	01/08/24 15:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.377	U	0.298	0.300	1.00	0.455	pCi/L	11/28/23 10:19	01/05/24 15:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:52*	*1*
Y Carrier	*82.2*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.384	U	0.310	0.312	5.00	0.455	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-008
Date Collected: 11/17/23 08:42
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-8
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	0.163	U	0.131	0.132	1.00	0.190	pCi/L	11/28/23 10:15	01/08/24 15:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.8*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.02**		0.462	0.472	1.00	0.619	pCi/L	11/28/23 10:19	01/05/24 15:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.8*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:52*	*1*
Y Carrier	*84.1*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.19**		0.480	0.490	5.00	0.619	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-009
Date Collected: 11/16/23 14:39
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-9
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	**0.148**		0.106	0.107	1.00	0.146	pCi/L	11/28/23 10:15	01/08/24 15:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.8*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.354	U	0.292	0.294	1.00	0.454	pCi/L	11/28/23 10:19	01/05/24 15:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.8*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:52*	*1*
Y Carrier	*83.7*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.502**		0.311	0.313	5.00	0.454	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-010
Date Collected: 11/16/23 13:12
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-10
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0951	U	0.0918	0.0922	1.00	0.139	pCi/L	11/28/23 10:15	01/08/24 15:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:11*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.32**		0.444	0.460	1.00	0.525	pCi/L	11/28/23 10:19	01/05/24 15:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:52*	*1*
Y Carrier	*76.6*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.41**		0.453	0.469	5.00	0.525	pCi/L		01/09/24 14:58	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-011
Date Collected: 11/16/23 12:48
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-11
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0731	U	0.0770	0.0773	1.00	0.120	pCi/L	11/28/23 10:15	01/08/24 15:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:11*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.509**		0.308	0.312	1.00	0.447	pCi/L	11/28/23 10:19	01/05/24 15:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:50*	*1*
Y Carrier	*81.9*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.582**		0.317	0.321	5.00	0.447	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-012
Date Collected: 11/16/23 11:52
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-12
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.166**		0.107	0.108	1.00	0.139	pCi/L	11/28/23 10:15	01/08/24 15:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:11*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.377	U	0.341	0.343	1.00	0.538	pCi/L	11/28/23 10:19	01/05/24 15:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:50*	*1*
Y Carrier	*68.8*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.543**		0.357	0.360	5.00	0.538	pCi/L		01/09/24 14:58	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-013
Date Collected: 11/16/23 10:43
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-13
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0817	U	0.100	0.101	1.00	0.166	pCi/L	11/28/23 10:15	01/08/24 15:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.297	U	0.257	0.259	1.00	0.401	pCi/L	11/28/23 10:19	01/05/24 15:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:50*	*1*
Y Carrier	*84.9*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.378	U	0.276	0.278	5.00	0.401	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-014
Date Collected: 11/16/23 10:13
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-14
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.113	U	0.125	0.126	1.00	0.200	pCi/L	11/28/23 10:15	01/08/24 15:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.753**		0.428	0.433	1.00	0.606	pCi/L	11/28/23 10:19	01/05/24 15:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:50*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.866**		0.446	0.451	5.00	0.606	pCi/L		01/09/24 14:58	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-015
Date Collected: 11/17/23 09:13
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-15
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.103	U	0.0883	0.0888	1.00	0.128	pCi/L	11/28/23 10:15	01/08/24 15:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.8*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.957**		0.368	0.379	1.00	0.467	pCi/L	11/28/23 10:19	01/05/24 15:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.8*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:48*	*1*
Y Carrier	*83.4*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.06**		0.378	0.389	5.00	0.467	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-016
Date Collected: 11/17/23 09:42
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-16
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0656	U	0.128	0.128	1.00	0.228	pCi/L	11/28/23 10:15	01/08/24 15:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:20*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.448	U	0.383	0.385	1.00	0.595	pCi/L	11/28/23 10:19	01/05/24 15:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:48*	*1*
Y Carrier	*80.7*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.514	U	0.404	0.406	5.00	0.595	pCi/L		01/09/24 14:58	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-017
Date Collected: 11/17/23 10:37
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-17
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.185		0.115	0.116	1.00	0.150	pCi/L	11/28/23 10:15	01/08/24 15:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:20*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.675		0.315	0.321	1.00	0.414	pCi/L	11/28/23 10:19	01/05/24 15:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:48*	*1*
Y Carrier	*85.2*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.860		0.335	0.341	5.00	0.414	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-019
Date Collected: 12/07/23 09:13
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-19
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.284	U	0.246	0.248	1.00	0.375	pCi/L	12/12/23 10:07	01/05/24 09:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*12/12/23 10:07*	*01/05/24 09:33*	*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	1.05		0.531	0.540	1.00	0.735	pCi/L	12/12/23 10:10	01/04/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*12/12/23 10:10*	*01/04/24 11:44*	*1*
Y Carrier	*77.0*		*30 - 110*	*12/12/23 10:10*	*01/04/24 11:44*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.33		0.585	0.594	5.00	0.735	pCi/L		01/09/24 15:33	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-020
Date Collected: 11/17/23 11:34
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-20
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.204	U	0.167	0.168	1.00	0.250	pCi/L	11/28/23 10:15	01/08/24 15:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:20*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.83**		0.599	0.622	1.00	0.741	pCi/L	11/28/23 10:19	01/05/24 15:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:48*	*1*
Y Carrier	*84.9*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:48*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**2.03**		0.622	0.644	5.00	0.741	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-022
Date Collected: 11/17/23 12:03
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-22
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	0.161	U	0.150	0.151	1.00	0.233	pCi/L	11/28/23 10:15	01/08/24 15:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:20*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.927**		0.451	0.459	1.00	0.615	pCi/L	11/28/23 10:19	01/05/24 15:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:49*	*1*
Y Carrier	*84.1*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:49*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.09**		0.475	0.483	5.00	0.615	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-023
Date Collected: 11/20/23 09:50
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-23
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0610	U	0.0886	0.0888	1.00	0.151	pCi/L	11/28/23 10:15	01/08/24 15:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:20*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.594**		0.314	0.319	1.00	0.431	pCi/L	11/28/23 10:19	01/05/24 15:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:49*	*1*
Y Carrier	*84.1*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:49*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.655**		0.326	0.331	5.00	0.431	pCi/L		01/09/24 14:58	1

Client Sample ID: 23110003-024
Date Collected: 11/20/23 08:56
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-24
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0980	U	0.130	0.130	1.00	0.218	pCi/L	11/28/23 10:21	01/08/24 15:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*11/28/23 10:21*	*01/08/24 15:24*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**4.09**		0.766	0.853	1.00	0.703	pCi/L	11/28/23 10:25	01/05/24 16:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:00*	*1*
Y Carrier	*84.1*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:00*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**4.19**		0.777	0.863	5.00	0.703	pCi/L		01/09/24 15:07	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-025
Date Collected: 11/20/23 10:34
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-25
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.132	U	0.144	0.144	1.00	0.233	pCi/L	11/28/23 10:21	01/08/24 15:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*11/28/23 10:21*	*01/08/24 15:24*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**14.1**		1.13	1.72	1.00	0.562	pCi/L	11/28/23 10:25	01/05/24 16:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:00*	*1*
Y Carrier	*84.9*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:00*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**14.3**		1.14	1.73	5.00	0.562	pCi/L		01/09/24 15:07	1

Client Sample ID: 23110003-027
Date Collected: 11/20/23 11:02
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-27
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.318**		0.198	0.201	1.00	0.272	pCi/L	11/28/23 10:21	01/08/24 15:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*11/28/23 10:21*	*01/08/24 15:24*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**8.97**		1.13	1.40	1.00	0.869	pCi/L	11/28/23 10:25	01/05/24 16:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:00*	*1*
Y Carrier	*82.6*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:00*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**9.29**		1.15	1.41	5.00	0.869	pCi/L		01/09/24 15:07	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-028
Date Collected: 11/20/23 10:42
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-28
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0180	U	0.0810	0.0811	1.00	0.159	pCi/L	11/28/23 10:21	01/08/24 15:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*11/28/23 10:21*	*01/08/24 15:24*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.556**		0.328	0.332	1.00	0.468	pCi/L	11/28/23 10:25	01/05/24 16:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:00*	*1*
Y Carrier	*83.4*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:00*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.574**		0.338	0.342	5.00	0.468	pCi/L		01/09/24 15:07	1

Client Sample ID: 23110003-029
Date Collected: 11/20/23 12:22
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-29
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	0.155	U	0.162	0.162	1.00	0.258	pCi/L	11/28/23 10:21	01/08/24 15:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*11/28/23 10:21*	*01/08/24 15:25*	*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	**7.18**		0.990	1.19	1.00	0.685	pCi/L	11/28/23 10:25	01/05/24 16:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:00*	*1*
Y Carrier	*82.2*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:00*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**7.33**		1.00	1.20	5.00	0.685	pCi/L		01/09/24 15:07	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-030
Date Collected: 11/21/23 11:28
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-30
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	0.0800	U	0.177	0.177	1.00	0.316	pCi/L	11/28/23 10:21	01/08/24 15:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*11/28/23 10:21*	*01/08/24 15:25*	*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	0.276	U	0.431	0.432	1.00	0.735	pCi/L	11/28/23 10:25	01/05/24 16:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:01*	*1*
Y Carrier	*79.3*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:01*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.356	U	0.466	0.467	5.00	0.735	pCi/L		01/09/24 15:07	1

Client Sample ID: 23110003-031
Date Collected: 11/17/23 10:55
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-31
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	0.0978	U	0.139	0.139	1.00	0.236	pCi/L	11/28/23 10:21	01/08/24 17:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**7.23**		1.01	1.21	1.00	0.695	pCi/L	11/28/23 10:25	01/05/24 16:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:02*	*1*
Y Carrier	*78.1*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:02*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**7.33**		1.02	1.22	5.00	0.695	pCi/L		01/09/24 15:07	1

Client Sample ID: 23110003-032
Date Collected: 11/17/23 12:26
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-32
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	**0.251**		0.178	0.180	1.00	0.247	pCi/L	11/28/23 10:21	01/08/24 17:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.1*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:47*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**9.31**		1.25	1.51	1.00	0.809	pCi/L	11/28/23 10:25	01/05/24 16:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.1*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:02*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:02*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**9.56**		1.26	1.52	5.00	0.809	pCi/L		01/09/24 15:07	1

Client Sample ID: 23110003-033
Date Collected: 11/21/23 09:37
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-33
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	0.0231	U	0.133	0.133	1.00	0.255	pCi/L	11/28/23 10:21	01/08/24 17:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:48*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.876**		0.496	0.502	1.00	0.713	pCi/L	11/28/23 10:25	01/05/24 16:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:02*	*1*
Y Carrier	*82.2*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:02*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.899**		0.514	0.519	5.00	0.713	pCi/L		01/09/24 15:07	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-034
Date Collected: 11/17/23 11:38
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-34
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.116	U	0.117	0.117	1.00	0.184	pCi/L	11/28/23 10:21	01/08/24 17:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:48*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**7.87**		0.867	1.13	1.00	0.498	pCi/L	11/28/23 10:25	01/05/24 16:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:02*	*1*
Y Carrier	*86.0*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:02*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**7.99**		0.875	1.14	5.00	0.498	pCi/L		01/09/24 15:07	1

Client Sample ID: 23110003-035
Date Collected: 11/17/23 10:11
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-35
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0215	U	0.0809	0.0809	1.00	0.156	pCi/L	11/28/23 10:21	01/08/24 17:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:48*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.72**		0.600	0.690	1.00	0.469	pCi/L	11/28/23 10:25	01/05/24 16:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.5*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:02*	*1*
Y Carrier	*82.6*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:02*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**3.74**		0.605	0.695	5.00	0.469	pCi/L		01/09/24 15:07	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-036
Date Collected: 11/20/23 09:49
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-36
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0895	U	0.0872	0.0876	1.00	0.133	pCi/L	11/28/23 10:21	01/08/24 17:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:48*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**8.15**		0.920	1.19	1.00	0.517	pCi/L	11/28/23 10:25	01/05/24 16:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:02*	*1*
Y Carrier	*71.8*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:02*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**8.24**		0.924	1.19	5.00	0.517	pCi/L		01/09/24 15:07	1

Client Sample ID: 23110003-038
Date Collected: 11/20/23 14:04
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-38
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	0.0955	U	0.102	0.103	1.00	0.163	pCi/L	11/28/23 10:21	01/08/24 17:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:48*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.15**		0.426	0.439	1.00	0.537	pCi/L	11/28/23 10:25	01/05/24 16:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*
Y Carrier	*80.7*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.25**		0.438	0.451	5.00	0.537	pCi/L		01/09/24 15:07	1

Client Sample ID: 23110003-039
Date Collected: 11/20/23 15:24
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-39
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	0.241		0.155	0.156	1.00	0.221	pCi/L	11/28/23 10:21	01/08/24 17:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.3*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:48*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	6.65		0.806	1.01	1.00	0.468	pCi/L	11/28/23 10:25	01/05/24 16:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.3*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*
Y Carrier	*77.8*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	6.90		0.821	1.02	5.00	0.468	pCi/L		01/09/24 15:07	1

Client Sample ID: 23110003-040
Date Collected: 11/20/23 14:49
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-40
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.731		0.254	0.262	1.00	0.264	pCi/L	11/28/23 10:21	01/08/24 17:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:48*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	9.65		1.14	1.44	1.00	0.779	pCi/L	11/28/23 10:25	01/05/24 16:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*
Y Carrier	*82.6*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	10.4		1.17	1.46	5.00	0.779	pCi/L		01/09/24 15:07	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-041
Date Collected: 11/21/23 10:37
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-41
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0183	U	0.0825	0.0825	1.00	0.161	pCi/L	11/28/23 10:21	01/08/24 17:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:48*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.11**		0.535	0.569	1.00	0.575	pCi/L	11/28/23 10:25	01/05/24 16:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*
Y Carrier	*80.7*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**2.13**		0.541	0.575	5.00	0.575	pCi/L		01/09/24 15:07	1

Client Sample ID: 23110003-042
Date Collected: 11/20/23 13:21
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-42
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.102	U	0.143	0.143	1.00	0.242	pCi/L	11/28/23 10:21	01/08/24 17:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.8*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:48*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.844**		0.484	0.490	1.00	0.698	pCi/L	11/28/23 10:25	01/05/24 16:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.8*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*
Y Carrier	*84.1*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.946**		0.505	0.510	5.00	0.698	pCi/L		01/09/24 15:07	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-043
Date Collected: 11/21/23 09:24
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-43
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0546	U	0.0901	0.0902	1.00	0.201	pCi/L	11/28/23 10:21	01/08/24 17:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:43*	*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	**8.66**		0.916	1.21	1.00	0.530	pCi/L	11/28/23 10:25	01/05/24 16:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*
Y Carrier	*84.5*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**8.66**		0.920	1.21	5.00	0.530	pCi/L		01/09/24 15:07	1

Client Sample ID: 23110003-044
Date Collected: 11/21/23 08:37
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-44
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.206**		0.144	0.145	1.00	0.202	pCi/L	11/28/23 10:21	01/08/24 17:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:43*	*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	**2.74**		0.634	0.683	1.00	0.625	pCi/L	11/28/23 10:25	01/05/24 16:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*
Y Carrier	*84.1*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**2.95**		0.650	0.698	5.00	0.625	pCi/L		01/09/24 15:07	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-045
Date Collected: 11/20/23 11:41
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-45
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0613	U	0.113	0.114	1.00	0.199	pCi/L	11/28/23 10:21	01/08/24 17:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*11/28/23 10:21*	*01/08/24 17:44*	*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	**2.19**		0.558	0.593	1.00	0.628	pCi/L	11/28/23 10:25	01/05/24 16:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*
Y Carrier	*82.2*		*30 - 110*	*11/28/23 10:25*	*01/05/24 16:12*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**2.25**		0.569	0.604	5.00	0.628	pCi/L		01/09/24 15:07	1

Client Sample ID: 23110003-046
Date Collected: 11/21/23 10:07
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-46
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00285	U	0.0519	0.0519	1.00	0.108	pCi/L	11/28/23 10:29	12/27/23 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*11/28/23 10:29*	*12/27/23 09:34*	*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	**0.750**		0.398	0.404	1.00	0.559	pCi/L	11/28/23 10:32	12/18/23 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:10*	*1*
Y Carrier	*77.0*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.750**		0.401	0.407	5.00	0.559	pCi/L		12/27/23 14:55	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-047
Date Collected: 11/21/23 10:32
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-47
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0391	U	0.0558	0.0559	1.00	0.0949	pCi/L	11/28/23 10:29	12/27/23 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*11/28/23 10:29*	*12/27/23 09:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.649**		0.384	0.388	1.00	0.553	pCi/L	11/28/23 10:32	12/18/23 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:10*	*1*
Y Carrier	*78.9*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.688**		0.388	0.392	5.00	0.553	pCi/L		12/27/23 14:55	1

Client Sample ID: 23110003-048
Date Collected: 11/20/23 13:20
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-48
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0310	U	0.0505	0.0505	1.00	0.0886	pCi/L	11/28/23 10:29	12/27/23 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*11/28/23 10:29*	*12/27/23 09:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.599**		0.373	0.377	1.00	0.546	pCi/L	11/28/23 10:32	12/18/23 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:11*	*1*
Y Carrier	*78.9*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.630**		0.376	0.380	5.00	0.546	pCi/L		12/27/23 14:55	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-049
Date Collected: 11/20/23 12:18
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-49
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0938		0.0675	0.0680	1.00	0.0896	pCi/L	11/28/23 10:29	12/27/23 09:35	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110	11/28/23 10:29	12/27/23 09:35	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.827		0.440	0.446	1.00	0.612	pCi/L	11/28/23 10:32	12/18/23 12:11	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110	11/28/23 10:32	12/18/23 12:11	1
Y Carrier	73.3		30 - 110	11/28/23 10:32	12/18/23 12:11	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.921		0.445	0.451	5.00	0.612	pCi/L		12/27/23 14:55	1

Client Sample ID: 23110003-050
Date Collected: 11/20/23 12:50
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-50
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.140		0.0775	0.0785	1.00	0.0934	pCi/L	11/28/23 10:29	12/27/23 09:35	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		30 - 110	11/28/23 10:29	12/27/23 09:35	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.491		0.330	0.333	1.00	0.485	pCi/L	11/28/23 10:32	12/18/23 12:11	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		30 - 110	11/28/23 10:32	12/18/23 12:11	1
Y Carrier	80.4		30 - 110	11/28/23 10:32	12/18/23 12:11	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.631		0.339	0.342	5.00	0.485	pCi/L		12/27/23 14:55	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-051
Date Collected: 11/20/23 13:50
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-51
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0891	U	0.0778	0.0782	1.00	0.118	pCi/L	11/28/23 10:29	12/27/23 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*11/28/23 10:29*	*12/27/23 09:35*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.989**		0.447	0.456	1.00	0.594	pCi/L	11/28/23 10:32	12/18/23 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:11*	*1*
Y Carrier	*75.9*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.08**		0.454	0.463	5.00	0.594	pCi/L		12/27/23 14:55	1

Client Sample ID: 23110003-052
Date Collected: 11/14/23 11:36
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-52
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	**0.354**		0.198	0.200	1.00	0.248	pCi/L	11/28/23 10:29	12/27/23 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.6*		*30 - 110*	*11/28/23 10:29*	*12/27/23 09:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.811	U G	0.820	0.824	1.00	1.32	pCi/L	11/28/23 10:32	12/18/23 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*72.6*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:11*	*1*
Y Carrier	*78.1*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.16	U	0.844	0.848	5.00	1.32	pCi/L		12/27/23 14:55	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-053
Date Collected: 11/14/23 10:37
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-53
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.261**		0.117	0.119	1.00	0.121	pCi/L	11/28/23 10:29	12/27/23 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*11/28/23 10:29*	*12/27/23 09:36*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.18**		0.633	0.642	1.00	0.917	pCi/L	11/28/23 10:32	12/18/23 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:11*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.44**		0.644	0.653	5.00	0.917	pCi/L		12/27/23 14:55	1

Client Sample ID: 23110003-054
Date Collected: 11/21/23 10:36
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-54
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	0.0198	U	0.0611	0.0611	1.00	0.114	pCi/L	11/28/23 10:29	12/27/23 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*11/28/23 10:29*	*12/27/23 09:43*	*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	0.209	U	0.317	0.318	1.00	0.538	pCi/L	11/28/23 10:32	12/18/23 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:09*	*1*
Y Carrier	*81.1*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:09*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.229	U	0.323	0.324	5.00	0.538	pCi/L		12/27/23 14:55	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-055
Date Collected: 11/14/23 10:01
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-55
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.109	U	0.155	0.155	1.00	0.262	pCi/L	11/28/23 10:29	12/27/23 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.6*		*30 - 110*	*11/28/23 10:29*	*12/27/23 09:43*	*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	1.28	U G	0.866	0.874	1.00	1.29	pCi/L	11/28/23 10:32	12/18/23 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.6*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:09*	*1*
Y Carrier	*77.4*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:09*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.38**		0.880	0.888	5.00	1.29	pCi/L		12/27/23 14:55	1

Client Sample ID: 23110003-056
Date Collected: 11/17/23 10:37
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-56
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0397	U	0.0874	0.0875	1.00	0.158	pCi/L	11/28/23 10:29	12/27/23 09:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*11/28/23 10:29*	*12/27/23 09:44*	*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	**0.773**		0.512	0.517	1.00	0.770	pCi/L	11/28/23 10:32	12/18/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:03*	*1*
Y Carrier	*81.1*		*30 - 110*	*11/28/23 10:32*	*12/18/23 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	**0.813**		0.519	0.524	5.00	0.770	pCi/L		12/27/23 14:55	1

Client Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Client Sample ID: 23110003-057
Date Collected: 11/20/23 10:42
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-57
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.222		0.104	0.106	1.00	0.129	pCi/L	11/28/23 10:29	12/27/23 09:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*11/28/23 10:29*	*12/27/23 09:44*	*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	0.608		0.374	0.378	1.00	0.549	pCi/L	11/28/23 10:32	12/18/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:03*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/28/23 10:32*	*12/18/23 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	0.829		0.388	0.393	5.00	0.549	pCi/L		12/27/23 14:55	1

Client Sample ID: 23110003-058
Date Collected: 11/14/23 10:37
Date Received: 11/22/23 13:05

Lab Sample ID: 160-52329-58
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.448		0.153	0.158	1.00	0.147	pCi/L	11/28/23 10:29	12/27/23 09:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*11/28/23 10:29*	*12/27/23 09:44*	*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	0.664	U	0.459	0.463	1.00	0.686	pCi/L	11/28/23 10:32	12/18/23 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*11/28/23 10:32*	*12/18/23 12:03*	*1*
Y Carrier	*81.9*		*30 - 110*	*11/28/23 10:32*	*12/18/23 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	1.11		0.484	0.489	5.00	0.686	pCi/L		12/27/23 14:55	1

QC Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-638554/1-A
Matrix: Water
Analysis Batch: 643283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638554

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03105	U	0.0664	0.0664	1.00	0.123	pCi/L	11/28/23 10:15	01/08/24 15:08	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*11/28/23 10:15*	*01/08/24 15:08*	*1*

Lab Sample ID: LCS 160-638554/2-A
Matrix: Water
Analysis Batch: 643283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638554

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	0.141	pCi/L	94	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*95.8*		*30 - 110*

Lab Sample ID: 160-52329-9 DU
Matrix: Water
Analysis Batch: 643283

Client Sample ID: 23110003-009
Prep Type: Total/NA
Prep Batch: 638554

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.148			0.1325	U	0.102	1.00	0.144	pCi/L			0.08	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*95.8*		*30 - 110*

Lab Sample ID: MB 160-638556/1-A
Matrix: Water
Analysis Batch: 643394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638556

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01105	U	0.0800	0.0800	1.00	0.160	pCi/L	11/28/23 10:21	01/08/24 15:23	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*11/28/23 10:21*	*01/08/24 15:23*	*1*

Lab Sample ID: LCS 160-638556/2-A
Matrix: Water
Analysis Batch: 643394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638556

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.32		1.24	1.00	0.135	pCi/L	100	75 - 125		

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-638556/2-A
Matrix: Water
Analysis Batch: 643394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638556

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.8		30 - 110

Lab Sample ID: 160-52329-34 DU
Matrix: Water
Analysis Batch: 643394

Client Sample ID: 23110003-034
Prep Type: Total/NA
Prep Batch: 638556

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.116	U		0.1576	U	0.115	1.00	0.159	pCi/L			0.18	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	87.3		30 - 110

Lab Sample ID: MB 160-638560/1-A
Matrix: Water
Analysis Batch: 641942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638560

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0007292	U	0.0375	0.0375	1.00	0.0840	pCi/L	11/28/23 10:29	12/27/23 09:34	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110	11/28/23 10:29	12/27/23 09:34	1

Lab Sample ID: LCS 160-638560/2-A
Matrix: Water
Analysis Batch: 641942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638560

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.53		1.20	1.00	0.102	pCi/L	102	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.6		30 - 110

Lab Sample ID: 160-52329-46 DU
Matrix: Water
Analysis Batch: 641942

Client Sample ID: 23110003-046
Prep Type: Total/NA
Prep Batch: 638560

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	-0.00285	U		-0.002944	U	0.0464	1.00	0.100	pCi/L			0	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	93.8		30 - 110

QC Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-640393/1-A
Matrix: Water
Analysis Batch: 643226

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 640393

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1525	U	0.140	0.141	1.00	0.213	pCi/L	12/12/23 10:07	01/05/24 09:37	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*12/12/23 10:07*	*01/05/24 09:37*	*1*

Lab Sample ID: LCS 160-640393/2-A
Matrix: Water
Analysis Batch: 643283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 640393

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.45		1.23	1.00	0.127	pCi/L	101	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.5*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-638555/1-A
Matrix: Water
Analysis Batch: 643233

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638555

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1594	U	0.247	0.247	1.00	0.420	pCi/L	11/28/23 10:19	01/05/24 15:50	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.0*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:50*	*1*
Y Carrier	*87.1*		*30 - 110*	*11/28/23 10:19*	*01/05/24 15:50*	*1*

Lab Sample ID: LCS 160-638555/2-A
Matrix: Water
Analysis Batch: 643233

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638555

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.33	9.372		1.23	1.00	0.412	pCi/L	100	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*95.8*		*30 - 110*
Y Carrier	*86.0*		*30 - 110*

QC Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 160-52329-9 DU
Matrix: Water
Analysis Batch: 643233

Client Sample ID: 23110003-009
Prep Type: Total/NA
Prep Batch: 638555

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.354	U		0.8176		0.360	1.00	0.456	pCi/L			0.71	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*95.8*		*30 - 110*
Y Carrier	*83.4*		*30 - 110*

Lab Sample ID: MB 160-638558/1-A
Matrix: Water
Analysis Batch: 643079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638558

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4465	U	0.306	0.309	1.00	0.457	pCi/L	11/28/23 10:25	01/05/24 15:59	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.8*		*30 - 110*	*11/28/23 10:25*	*01/05/24 15:59*	*1*
Y Carrier	*86.4*		*30 - 110*	*11/28/23 10:25*	*01/05/24 15:59*	*1*

Lab Sample ID: LCS 160-638558/2-A
Matrix: Water
Analysis Batch: 643079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638558

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.33	9.966		1.29	1.00	0.416	pCi/L	107	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*95.8*		*30 - 110*
Y Carrier	*87.9*		*30 - 110*

Lab Sample ID: 160-52329-34 DU
Matrix: Water
Analysis Batch: 643079

Client Sample ID: 23110003-034
Prep Type: Total/NA
Prep Batch: 638558

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	7.87			5.666		0.937	1.00	0.502	pCi/L			1.07	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*87.3*		*30 - 110*
Y Carrier	*78.5*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-638561/1-A
Matrix: Water
Analysis Batch: 641254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638561

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2376	U	0.511	0.512	1.00	0.892	pCi/L	11/28/23 10:32	12/18/23 16:41	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*11/28/23 10:32*	*12/18/23 16:41*	*1*
Y Carrier	*82.2*		*30 - 110*	*11/28/23 10:32*	*12/18/23 16:41*	*1*

Lab Sample ID: LCS 160-638561/2-A
Matrix: Water
Analysis Batch: 641268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638561

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.39	11.41		1.52	1.00	0.589	pCi/L	122	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*86.6*		*30 - 110*
Y Carrier	*80.4*		*30 - 110*

Lab Sample ID: 160-52329-46 DU
Matrix: Water
Analysis Batch: 641268

Client Sample ID: 23110003-046
Prep Type: Total/NA
Prep Batch: 638561

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.750			0.4845	U	0.333	1.00	0.487	pCi/L			0.36	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*93.8*		*30 - 110*
Y Carrier	*79.3*		*30 - 110*

Lab Sample ID: MB 160-640394/1-A
Matrix: Water
Analysis Batch: 643035

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 640394

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.05130	U	0.244	0.244	1.00	0.447	pCi/L	12/12/23 10:10	01/04/24 11:43	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*12/12/23 10:10*	*01/04/24 11:43*	*1*
Y Carrier	*80.4*		*30 - 110*	*12/12/23 10:10*	*01/04/24 11:43*	*1*

QC Sample Results

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

Job ID: 160-52329-1
SDG: 23110003

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-640394/2-A
Matrix: Water
Analysis Batch: 643035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 640394

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.34	8.297		1.16	1.00	0.458	pCi/L	89	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.5*		*30 - 110*
Y Carrier	*81.1*		*30 - 110*

QC Association Summary

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

Job ID: 160-52329-1
SDG: 23110003

Rad

Prep Batch: 638554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52329-1	23110003-001	Total/NA	Water	PrecSep-21	
160-52329-2	23110003-002	Total/NA	Water	PrecSep-21	
160-52329-3	23110003-003	Total/NA	Water	PrecSep-21	
160-52329-4	23110003-004	Total/NA	Water	PrecSep-21	
160-52329-5	23110003-005	Total/NA	Water	PrecSep-21	
160-52329-6	23110003-006	Total/NA	Water	PrecSep-21	
160-52329-7	23110003-007	Total/NA	Water	PrecSep-21	
160-52329-8	23110003-008	Total/NA	Water	PrecSep-21	
160-52329-9	23110003-009	Total/NA	Water	PrecSep-21	
160-52329-10	23110003-010	Total/NA	Water	PrecSep-21	
160-52329-11	23110003-011	Total/NA	Water	PrecSep-21	
160-52329-12	23110003-012	Total/NA	Water	PrecSep-21	
160-52329-13	23110003-013	Total/NA	Water	PrecSep-21	
160-52329-14	23110003-014	Total/NA	Water	PrecSep-21	
160-52329-15	23110003-015	Total/NA	Water	PrecSep-21	
160-52329-16	23110003-016	Total/NA	Water	PrecSep-21	
160-52329-17	23110003-017	Total/NA	Water	PrecSep-21	
160-52329-20	23110003-020	Total/NA	Water	PrecSep-21	
160-52329-22	23110003-022	Total/NA	Water	PrecSep-21	
160-52329-23	23110003-023	Total/NA	Water	PrecSep-21	
MB 160-638554/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-638554/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-52329-9 DU	23110003-009	Total/NA	Water	PrecSep-21	

Prep Batch: 638555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52329-1	23110003-001	Total/NA	Water	PrecSep_0	
160-52329-2	23110003-002	Total/NA	Water	PrecSep_0	
160-52329-3	23110003-003	Total/NA	Water	PrecSep_0	
160-52329-4	23110003-004	Total/NA	Water	PrecSep_0	
160-52329-5	23110003-005	Total/NA	Water	PrecSep_0	
160-52329-6	23110003-006	Total/NA	Water	PrecSep_0	
160-52329-7	23110003-007	Total/NA	Water	PrecSep_0	
160-52329-8	23110003-008	Total/NA	Water	PrecSep_0	
160-52329-9	23110003-009	Total/NA	Water	PrecSep_0	
160-52329-10	23110003-010	Total/NA	Water	PrecSep_0	
160-52329-11	23110003-011	Total/NA	Water	PrecSep_0	
160-52329-12	23110003-012	Total/NA	Water	PrecSep_0	
160-52329-13	23110003-013	Total/NA	Water	PrecSep_0	
160-52329-14	23110003-014	Total/NA	Water	PrecSep_0	
160-52329-15	23110003-015	Total/NA	Water	PrecSep_0	
160-52329-16	23110003-016	Total/NA	Water	PrecSep_0	
160-52329-17	23110003-017	Total/NA	Water	PrecSep_0	
160-52329-20	23110003-020	Total/NA	Water	PrecSep_0	
160-52329-22	23110003-022	Total/NA	Water	PrecSep_0	
160-52329-23	23110003-023	Total/NA	Water	PrecSep_0	
MB 160-638555/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-638555/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-52329-9 DU	23110003-009	Total/NA	Water	PrecSep_0	

QC Association Summary

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

Job ID: 160-52329-1
SDG: 23110003

Rad

Prep Batch: 638556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52329-24	23110003-024	Total/NA	Water	PrecSep-21	
160-52329-25	23110003-025	Total/NA	Water	PrecSep-21	
160-52329-27	23110003-027	Total/NA	Water	PrecSep-21	
160-52329-28	23110003-028	Total/NA	Water	PrecSep-21	
160-52329-29	23110003-029	Total/NA	Water	PrecSep-21	
160-52329-30	23110003-030	Total/NA	Water	PrecSep-21	
160-52329-31	23110003-031	Total/NA	Water	PrecSep-21	
160-52329-32	23110003-032	Total/NA	Water	PrecSep-21	
160-52329-33	23110003-033	Total/NA	Water	PrecSep-21	
160-52329-34	23110003-034	Total/NA	Water	PrecSep-21	
160-52329-35	23110003-035	Total/NA	Water	PrecSep-21	
160-52329-36	23110003-036	Total/NA	Water	PrecSep-21	
160-52329-38	23110003-038	Total/NA	Water	PrecSep-21	
160-52329-39	23110003-039	Total/NA	Water	PrecSep-21	
160-52329-40	23110003-040	Total/NA	Water	PrecSep-21	
160-52329-41	23110003-041	Total/NA	Water	PrecSep-21	
160-52329-42	23110003-042	Total/NA	Water	PrecSep-21	
160-52329-43	23110003-043	Total/NA	Water	PrecSep-21	
160-52329-44	23110003-044	Total/NA	Water	PrecSep-21	
160-52329-45	23110003-045	Total/NA	Water	PrecSep-21	
MB 160-638556/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-638556/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-52329-34 DU	23110003-034	Total/NA	Water	PrecSep-21	

Prep Batch: 638558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52329-24	23110003-024	Total/NA	Water	PrecSep_0	
160-52329-25	23110003-025	Total/NA	Water	PrecSep_0	
160-52329-27	23110003-027	Total/NA	Water	PrecSep_0	
160-52329-28	23110003-028	Total/NA	Water	PrecSep_0	
160-52329-29	23110003-029	Total/NA	Water	PrecSep_0	
160-52329-30	23110003-030	Total/NA	Water	PrecSep_0	
160-52329-31	23110003-031	Total/NA	Water	PrecSep_0	
160-52329-32	23110003-032	Total/NA	Water	PrecSep_0	
160-52329-33	23110003-033	Total/NA	Water	PrecSep_0	
160-52329-34	23110003-034	Total/NA	Water	PrecSep_0	
160-52329-35	23110003-035	Total/NA	Water	PrecSep_0	
160-52329-36	23110003-036	Total/NA	Water	PrecSep_0	
160-52329-38	23110003-038	Total/NA	Water	PrecSep_0	
160-52329-39	23110003-039	Total/NA	Water	PrecSep_0	
160-52329-40	23110003-040	Total/NA	Water	PrecSep_0	
160-52329-41	23110003-041	Total/NA	Water	PrecSep_0	
160-52329-42	23110003-042	Total/NA	Water	PrecSep_0	
160-52329-43	23110003-043	Total/NA	Water	PrecSep_0	
160-52329-44	23110003-044	Total/NA	Water	PrecSep_0	
160-52329-45	23110003-045	Total/NA	Water	PrecSep_0	
MB 160-638558/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-638558/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-52329-34 DU	23110003-034	Total/NA	Water	PrecSep_0	

QC Association Summary

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

Job ID: 160-52329-1
SDG: 23110003

Rad

Prep Batch: 638560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52329-46	23110003-046	Total/NA	Water	PrecSep-21	
160-52329-47	23110003-047	Total/NA	Water	PrecSep-21	
160-52329-48	23110003-048	Total/NA	Water	PrecSep-21	
160-52329-49	23110003-049	Total/NA	Water	PrecSep-21	
160-52329-50	23110003-050	Total/NA	Water	PrecSep-21	
160-52329-51	23110003-051	Total/NA	Water	PrecSep-21	
160-52329-52	23110003-052	Total/NA	Water	PrecSep-21	
160-52329-53	23110003-053	Total/NA	Water	PrecSep-21	
160-52329-54	23110003-054	Total/NA	Water	PrecSep-21	
160-52329-55	23110003-055	Total/NA	Water	PrecSep-21	
160-52329-56	23110003-056	Total/NA	Water	PrecSep-21	
160-52329-57	23110003-057	Total/NA	Water	PrecSep-21	
160-52329-58	23110003-058	Total/NA	Water	PrecSep-21	
MB 160-638560/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-638560/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-52329-46 DU	23110003-046	Total/NA	Water	PrecSep-21	

Prep Batch: 638561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52329-46	23110003-046	Total/NA	Water	PrecSep_0	
160-52329-47	23110003-047	Total/NA	Water	PrecSep_0	
160-52329-48	23110003-048	Total/NA	Water	PrecSep_0	
160-52329-49	23110003-049	Total/NA	Water	PrecSep_0	
160-52329-50	23110003-050	Total/NA	Water	PrecSep_0	
160-52329-51	23110003-051	Total/NA	Water	PrecSep_0	
160-52329-52	23110003-052	Total/NA	Water	PrecSep_0	
160-52329-53	23110003-053	Total/NA	Water	PrecSep_0	
160-52329-54	23110003-054	Total/NA	Water	PrecSep_0	
160-52329-55	23110003-055	Total/NA	Water	PrecSep_0	
160-52329-56	23110003-056	Total/NA	Water	PrecSep_0	
160-52329-57	23110003-057	Total/NA	Water	PrecSep_0	
160-52329-58	23110003-058	Total/NA	Water	PrecSep_0	
MB 160-638561/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-638561/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-52329-46 DU	23110003-046	Total/NA	Water	PrecSep_0	

Prep Batch: 640393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52329-19	23110003-019	Total/NA	Water	PrecSep-21	
MB 160-640393/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-640393/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 640394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52329-19	23110003-019	Total/NA	Water	PrecSep_0	
MB 160-640394/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-640394/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-52329-1
SDG: 23110003

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
160-52329-1	23110003-001	94.3
160-52329-2	23110003-002	91.3
160-52329-3	23110003-003	92.3
160-52329-4	23110003-004	94.5
160-52329-5	23110003-005	86.3
160-52329-6	23110003-006	86.8
160-52329-7	23110003-007	90.8
160-52329-8	23110003-008	96.8
160-52329-9	23110003-009	97.8
160-52329-9 DU	23110003-009	95.8
160-52329-10	23110003-010	90.8
160-52329-11	23110003-011	99.0
160-52329-12	23110003-012	96.5
160-52329-13	23110003-013	97.0
160-52329-14	23110003-014	97.0
160-52329-15	23110003-015	98.8
160-52329-16	23110003-016	95.0
160-52329-17	23110003-017	97.5
160-52329-19	23110003-019	89.3
160-52329-20	23110003-020	92.5
160-52329-22	23110003-022	94.8
160-52329-23	23110003-023	95.8
160-52329-24	23110003-024	94.0
160-52329-25	23110003-025	92.8
160-52329-27	23110003-027	89.1
160-52329-28	23110003-028	92.3
160-52329-29	23110003-029	89.3
160-52329-30	23110003-030	84.6
160-52329-31	23110003-031	90.8
160-52329-32	23110003-032	73.1
160-52329-33	23110003-033	89.8
160-52329-34	23110003-034	88.1
160-52329-34 DU	23110003-034	87.3
160-52329-35	23110003-035	97.5
160-52329-36	23110003-036	96.5
160-52329-38	23110003-038	93.5
160-52329-39	23110003-039	97.3
160-52329-40	23110003-040	90.8
160-52329-41	23110003-041	89.8
160-52329-42	23110003-042	93.8
160-52329-43	23110003-043	89.6
160-52329-44	23110003-044	96.0
160-52329-45	23110003-045	90.5
160-52329-46	23110003-046	95.5
160-52329-46 DU	23110003-046	93.8
160-52329-47	23110003-047	92.3
160-52329-48	23110003-048	95.8
160-52329-49	23110003-049	86.6
160-52329-50	23110003-050	96.3

Tracer/Carrier Summary

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

Job ID: 160-52329-1
SDG: 23110003

Method: 903.0 - Radium-226 (GFPC) (Continued)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)
160-52329-51	23110003-051	89.1
160-52329-52	23110003-052	72.6
160-52329-53	23110003-053	91.3
160-52329-54	23110003-054	94.3
160-52329-55	23110003-055	77.6
160-52329-56	23110003-056	94.5
160-52329-57	23110003-057	94.0
160-52329-58	23110003-058	91.5
LCS 160-638554/2-A	Lab Control Sample	95.8
LCS 160-638556/2-A	Lab Control Sample	95.8
LCS 160-638560/2-A	Lab Control Sample	86.6
LCS 160-640393/2-A	Lab Control Sample	93.5
MB 160-638554/1-A	Method Blank	96.0
MB 160-638556/1-A	Method Blank	95.8
MB 160-638560/1-A	Method Blank	93.5
MB 160-640393/1-A	Method Blank	100

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)
160-52329-1	23110003-001	94.3	82.2
160-52329-2	23110003-002	91.3	81.1
160-52329-3	23110003-003	92.3	81.5
160-52329-4	23110003-004	94.5	82.2
160-52329-5	23110003-005	86.3	81.1
160-52329-6	23110003-006	86.8	83.7
160-52329-7	23110003-007	90.8	82.2
160-52329-8	23110003-008	96.8	84.1
160-52329-9	23110003-009	97.8	83.7
160-52329-9 DU	23110003-009	95.8	83.4
160-52329-10	23110003-010	90.8	76.6
160-52329-11	23110003-011	99.0	81.9
160-52329-12	23110003-012	96.5	68.8
160-52329-13	23110003-013	97.0	84.9
160-52329-14	23110003-014	97.0	80.4
160-52329-15	23110003-015	98.8	83.4
160-52329-16	23110003-016	95.0	80.7
160-52329-17	23110003-017	97.5	85.2
160-52329-19	23110003-019	89.3	77.0
160-52329-20	23110003-020	92.5	84.9
160-52329-22	23110003-022	94.8	84.1
160-52329-23	23110003-023	95.8	84.1
160-52329-24	23110003-024	94.0	84.1
160-52329-25	23110003-025	92.8	84.9
160-52329-27	23110003-027	89.1	82.6

Tracer/Carrier Summary

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

Job ID: 160-52329-1
SDG: 23110003

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-52329-28	23110003-028	92.3	83.4
160-52329-29	23110003-029	89.3	82.2
160-52329-30	23110003-030	84.6	79.3
160-52329-31	23110003-031	90.8	78.1
160-52329-32	23110003-032	73.1	80.4
160-52329-33	23110003-033	89.8	82.2
160-52329-34	23110003-034	88.1	86.0
160-52329-34 DU	23110003-034	87.3	78.5
160-52329-35	23110003-035	97.5	82.6
160-52329-36	23110003-036	96.5	71.8
160-52329-38	23110003-038	93.5	80.7
160-52329-39	23110003-039	97.3	77.8
160-52329-40	23110003-040	90.8	82.6
160-52329-41	23110003-041	89.8	80.7
160-52329-42	23110003-042	93.8	84.1
160-52329-43	23110003-043	89.6	84.5
160-52329-44	23110003-044	96.0	84.1
160-52329-45	23110003-045	90.5	82.2
160-52329-46	23110003-046	95.5	77.0
160-52329-46 DU	23110003-046	93.8	79.3
160-52329-47	23110003-047	92.3	78.9
160-52329-48	23110003-048	95.8	78.9
160-52329-49	23110003-049	86.6	73.3
160-52329-50	23110003-050	96.3	80.4
160-52329-51	23110003-051	89.1	75.9
160-52329-52	23110003-052	72.6	78.1
160-52329-53	23110003-053	91.3	80.4
160-52329-54	23110003-054	94.3	81.1
160-52329-55	23110003-055	77.6	77.4
160-52329-56	23110003-056	94.5	81.1
160-52329-57	23110003-057	94.0	80.4
160-52329-58	23110003-058	91.5	81.9
LCS 160-638555/2-A	Lab Control Sample	95.8	86.0
LCS 160-638558/2-A	Lab Control Sample	95.8	87.9
LCS 160-638561/2-A	Lab Control Sample	86.6	80.4
LCS 160-640394/2-A	Lab Control Sample	93.5	81.1
MB 160-638555/1-A	Method Blank	96.0	87.1
MB 160-638558/1-A	Method Blank	95.8	86.4
MB 160-638561/1-A	Method Blank	93.5	82.2
MB 160-640394/1-A	Method Blank	100	80.4

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

			Weather				Well Condition				
WO Sample	**Well ID**	**Program/ Sample Type**	**Temp (°F)**	**Precipitation**	**Wind Direction**	**Sky**	**Well Pad**	**Casing**	**Protective Cover**	**Reference Mark/ ID**	**Well Locked**
001	G101	Groundwater Sample	62.0	None	N	Clear	Good	Good	Good	Yes	Yes
002	G102	Groundwater Sample	63.0	None	N	Clear	Good	Good	Good	Yes	Yes
003	G103	Groundwater Sample	65.0	None	N	Clear	Good	Good	Good	Yes	Yes
004	G105	Groundwater Sample	65.0	None	N	Clear	Good	Good	Good	Yes	Yes
005	G106	Groundwater Sample	65.0	None	N	Clear	Good	Good	Good	Yes	Yes
006	G107	Groundwater Sample	64.0	None	N	Clear	Good	Good	Good	Yes	Yes
007	G108	Groundwater Sample	64.0	None	N	Clear	Good	Good	Good	Yes	Yes
008	G109	Groundwater Sample	63.0	None	N	Clear	Good	Good	Good	Yes	Yes
009	G110	Groundwater Sample	62.0	None	N	Clear	Good	Good	Good	Yes	Yes
010	G111	Groundwater Sample	61.0	None	N	Clear	Good	Good	Good	Yes	Yes
011	G119	Groundwater Sample	52.0	None	N	Clear	Good	Good	Good	Yes	Yes
012	G120	Groundwater Sample	50.0	None	N	Clear	Good	Good	Good	Yes	Yes
013	G121	Groundwater Sample	48.0	None	N	Clear	Good	Good	Good	Yes	Yes
014	G122	Groundwater Sample	46.0	None	N	Clear	Good	Good	Good	Yes	Yes
015	G123	Groundwater Sample	44.0	None	N	Clear	Good	Good	Good	Yes	Yes
016	G124	Groundwater Sample	45.0	None	N	Clear	Good	Good	Good	Yes	Yes
017	G125	Groundwater Sample	48.0	None	N	Clear	Good	Good	Good	Yes	Yes
018	G126	Groundwater Sample	59.0	None	N	Clear	Good	Good	Good	Yes	Yes
019	G151	Groundwater Sample	60.0	None	N	Clear	Good	Good	Good	Yes	Yes
020	G152	Groundwater Sample	46.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
021	G153	Groundwater Sample	66.0	None	N	Clear	Good	Good	Good	Yes	Yes
022	G154	Groundwater Sample	64.0	None	N	Clear	Good	Good	Good	Yes	Yes
023	G155	Groundwater Sample	63.0	None	N	Clear	Good	Good	Good	Yes	Yes
024	G200	Groundwater Sample	48.0	None	NW	Clear	Good	Good	Good	Yes	Yes
025	G206	Groundwater Sample	67.0	None	NE	Clear	Good	Good	Good	Yes	Yes
026	G206D	Groundwater Sample	58.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
027	G207	Groundwater Sample	43.0	None	NW	Clear	Good	Good	Good	Yes	Yes
028	G208	Groundwater Sample	58.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
029	G209	Groundwater Sample	68.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
030	G210	Groundwater Sample	67.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
031	G211	Groundwater Sample	67.0	None	N	Clear	Good	Good	Good	Yes	Yes
032	G212	Groundwater Sample	66.0	None	N	Clear	Good	Good	Good	Yes	Yes
033	G213	Groundwater Sample	65.0	None	N	Clear	Good	Good	Good	Yes	Yes
034	G214	Groundwater Sample	64.0	None	N	Clear	Good	Good	Good	Yes	Yes
035	G215	Groundwater Sample	63.0	None	N	Clear	Good	Good	Good	Yes	Yes

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

			Weather				Well Condition				
WO Sample	**Well ID**	**Program/ Sample Type**	**Temp (°F)**	**Precipitation**	**Wind Direction**	**Sky**	**Well Pad**	**Casing**	**Protective Cover**	**Reference Mark/ ID**	**Well Locked**
036	G216	Groundwater Sample	61.0	None	N	Clear	Good	Good	Good	Yes	Yes
037	G217	Groundwater Sample	60.0	None	N	Clear	Good	Good	Good	Yes	Yes
038	G218	Groundwater Sample	56.0	None	N	Clear	Good	Good	Good	Yes	Yes
039	G270	Groundwater Sample	59.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
040	G271	Groundwater Sample	59.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
041	G272	Groundwater Sample	59.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
042	G273	Groundwater Sample	58.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
043	G274	Groundwater Sample	58.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
044	G275	Groundwater Sample	58.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
045	G275D	Groundwater Sample	42.0	None	N	Clear	Good	Good	Good	Yes	Yes
046	G276	Groundwater Sample	58.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
047	G277	Groundwater Sample	58.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
048	G278	Groundwater Sample	47.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
049	G279	Groundwater Sample	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
050	G280	Groundwater Sample	48.0	Light	W	Cloudy	Good	Good	Good	Yes	Yes
051	G281	Groundwater Sample	47.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
052	G283	Groundwater Sample	48.0	Light	W	Cloudy	Good	Good	Good	Yes	Yes
053	G284	Groundwater Sample	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
054	G285	Groundwater Sample	49.0	Light	W	Cloudy	Good	Good	Good	Yes	Yes
055	G286	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
056	G288	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
057	G301	Groundwater Sample	49.0	Light	E	Cloudy	Good	Good	Good	Yes	Yes
058	G302	Groundwater Sample	50.0	Light	E	Cloudy	Good	Good	Good	Yes	Yes
059	G303	Groundwater Sample	42.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
060	G305	Groundwater Sample	64.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
061	G306	Groundwater Sample	65.0	None	S	Clear	Good	Good	Good	Yes	Yes
062	G307	Groundwater Sample	41.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
063	G307D	Groundwater Sample	65.0	None	S	Clear	Good	Good	Good	Yes	Yes
064	G308	Groundwater Sample	64.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
065	G309	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
066	G310	Groundwater Sample	49.0	Light	E	Cloudy	Good	Good	Good	Yes	Yes
067	G312	Groundwater Sample	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
068	G313	Groundwater Sample	50.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
069	G314	Groundwater Sample	50.0	Light	E	Cloudy	Good	Good	Good	Yes	Yes
070	G314D	Groundwater Sample	50.0	None	E	Cloudy	Good	Good	Good	Yes	Yes

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

			Weather				Well Condition				
WO Sample	Well ID	Program/ Sample Type	Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
071	G315	Groundwater Sample	41.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
072	G316	Groundwater Sample	52.0	Light	E	Cloudy	Good	Good	Good	Yes	Yes
073	G317	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
074	G401	Groundwater Sample	43.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
075	G402	Groundwater Sample	43.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
076	G403	Groundwater Sample	49.0	Light	W	Cloudy	Good	Good	Good	Yes	Yes
077	G404	Groundwater Sample	44.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
078	G405	Groundwater Sample	44.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
079	G406	Groundwater Sample	51.0	Light	W	Cloudy	Good	Good	Good	Yes	Yes
080	G407	Groundwater Sample	50.0	Light	W	Cloudy	Good	Good	Good	Yes	Yes
081	G410	Groundwater Sample	51.0	Light	W	Cloudy	Good	Good	Good	Yes	Yes
082	G411	Groundwater Sample	52.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
083	G1001	Groundwater Sample	57.0	None	NW	Clear	Good	Good	Good	Yes	Yes
084	G1003	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
085	L202	Leachate Sample	65.0	None	S	Partly cloudy	Good	Good	Good	Yes	**No**
086	MW03D	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
087	MW12D	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
088	MW20S	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
089	NE Riser	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
090	R104	Groundwater Sample	65.0	None	N	Clear	Good	Good	Good	Yes	Yes
091	R201	Groundwater Sample	54.0	None	NW	Clear	Good	Good	Good	Yes	Yes
092	R205	Groundwater Sample	53.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
093	SG-02	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
094	SG-03	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
095	SG-04	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
096	T127	Groundwater Sample	56.0	None	N	Clear	Good	Good	Good	Yes	Yes
097	T128	Groundwater Sample	54.0	None	N	Clear	Good	Good	Good	Yes	Yes
098	X201	Groundwater Sample	53.0	None	W	Cloudy	**Other (see note)**	**Other (see note)**	**Other (see note)**	**No**	**No**
099	XPW01	Groundwater Sample	65.0	None	S	Cloudy	Good	Good	Good	Yes	**No**
100	XPW02	Groundwater Sample	65.0	None	S	Cloudy	Good	Good	Good	Yes	**No**
101	XSG-01	DTW Only	58.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
102	Field Blank	QA/QC Sample	43.0	None	SE	Cloudy					
103	G102 Duplicate	QA/QC Sample	63.0	None	N	Clear	Good	Good	Good	Yes	Yes
104	G200 Duplicate	QA/QC Sample	48.0	None	NW	Clear	Good	Good	Good	Yes	Yes
105	G273 Duplicate	QA/QC Sample	58.0	None	S	Cloudy	Good	Good	Good	Yes	Yes

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

			Weather				Well Condition				
WO Sample	**Well ID**	**Program/ Sample Type**	**Temp (°F)**	**Precipitation**	**Wind Direction**	**Sky**	**Well Pad**	**Casing**	**Protective Cover**	**Reference Mark/ ID**	**Well Locked**
106	G301 Duplicate	QA/QC Sample	49.0	Light	E	Cloudy	Good	Good	Good	Yes	Yes
107	R201 Duplicate	QA/QC Sample	54.0	None	NW	Clear	Good	Good	Good	Yes	Yes
108	G211	Groundwater Sample	38.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

		GW Level Measurement				Purge Activities							
WO Sample	Well ID	Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	G101	JC	11/14/23 15:43	13.95		JC	11/14/2023	15:48	16:11	Bladder Pump	2"	5.0	217.4
002	G102	JC	11/14/23 15:17	12.84		JC	11/14/2023	15:21	15:37	Bladder Pump	2"	3.0	187.5
003	G103	JC	11/14/23 14:51	16.00		JC	11/14/2023	14:52	15:13	Bladder Pump	2"	4.0	190.5
004	G105	JC	11/14/23 13:57	13.46		JC	11/14/2023	13:59	14:22	Bladder Pump	2"	5.0	217.4
005	G106	JC	11/14/23 13:37	14.21		JC	11/14/2023	13:40	13:54	Bladder Pump	2"	3.0	214.3
006	G107	JC	11/14/23 13:19	14.40		JC	11/14/2023	13:21	13:33	Bladder Pump	2"	2.5	208.3
007	G108	JC	11/14/23 13:04	14.96		JC	11/14/2023	13:06	13:15	Bladder Pump	2"	1.0	111.1
008	G109	JC	11/14/23 12:48	15.09		JC	11/14/2023	12:49	12:59	Bladder Pump	2"	3.0	300.0
009	G110	JC	11/14/23 12:04	15.43		JC	11/14/2023	12:21	12:41	Bladder Pump	2"	7.0	350.0
010	G111	JC	11/14/23 11:51	16.09		JC	11/14/2023	11:51	11:59	Bladder Pump	2"	3.0	375.0
011	G119	JC	11/15/23 9:41	16.25		JC	11/15/2023	09:44	09:52	Bladder Pump	2"	2.5	312.5
012	G120	JC	11/15/23 9:26	17.08		JC	11/15/2023	09:28	09:37	Bladder Pump	2"	2.0	222.2
013	G121	JC	11/15/23 9:09	18.96		JC	11/15/2023	09:13	09:23	Bladder Pump	2"	2.0	200.0
014	G122	JC	11/15/23 8:51	20.40		JC	11/15/2023	08:54	09:06	Bladder Pump	2"	2.0	166.7
015	G123	JC	11/15/23 8:32	19.94		JC	11/15/2023	08:34	08:47	Bladder Pump	2"	3.0	230.8
016	G124	JC	12/7/23 9:40	20.21		JC	12/7/2023	09:42	10:05	Bladder Pump	2"	2.5	108.7
017	G125	JC	12/7/23 10:15	20.32		JC	12/7/2023	10:15	10:25	Bladder Pump	2"	1.0	100.0
018	G126	JC	11/15/23 10:59	11.91		JC	11/15/2023	11:01	11:11	Bladder Pump	2"	2.0	200.0
019	G151	JC	11/15/23 11:13	12.97		JC	11/15/2023	11:17	11:40	Bladder Pump	2"	4.0	173.9
020	G152	JC	11/20/23 8:06	13.03		JC	11/20/2023	08:11	08:30	Submersible Pump	2"	5.0	263.2
021	G153	JC	11/15/23 13:17	14.90		JC	11/15/2023	13:27	13:38	Bladder Pump	2"	2.5	227.3
022	G154	JC	11/15/23 12:21	15.76		JC	11/15/2023	12:29	12:54	Bladder Pump	2"	5.0	200.0
023	G155	JC	11/15/23 11:48	13.92		JC	11/15/2023	11:50	12:16	Bladder Pump	2"	7.0	269.2
024	G200	JC	11/14/23 9:17	11.88		JC	11/14/2023	09:23	10:01	Submersible Pump	2"	14.0	368.4
025	G206	JC	11/15/23 14:17	16.16		JC	11/15/2023	14:21	14:31	Bladder Pump	2"	2.0	200.0
026	G206D	JC	11/17/23 8:26	30.40		JC	11/17/2023	08:33	08:42	Bladder Pump	2"	2.0	222.2
027	G207	JC	11/14/23 8:36	16.67		JC	11/14/2023	08:41	08:49	Submersible Pump	2"	2.0	250.0
028	G208	JC	11/17/23 7:57	16.66		JC	11/17/2023	08:13	08:21	Bladder Pump	2"	2.0	250.0
029	G209	JC	11/16/23 14:25	16.24		JC	11/16/2023	14:29	14:39	Bladder Pump	2"	3.0	300.0
030	G210	JC	11/16/23 14:05	15.82		JC	11/16/2023	14:06	14:21	Bladder Pump	2"	4.5	300.0
031	G211	JC	11/16/23 13:16	15.61		JC	11/16/2023	13:28	13:53	Bladder Pump	2"	8.0	320.0
032	G212	JC	11/16/23 12:51	16.92		JC	11/16/2023	13:02	13:12	Bladder Pump	2"	2.0	200.0
033	G213	JC	11/16/23 12:21	17.41		JC	11/16/2023	12:26	12:48	Bladder Pump	2"	6.5	295.5
034	G214	JC	11/16/23 11:56	19.35		JC	11/16/2023	12:07	12:18	Bladder Pump	2"	2.0	181.8
035	G215	JC	11/16/23 11:26	19.03		JC	11/16/2023	11:34	11:52	Bladder Pump	2"	2.0	111.1

Site Samping Event: Coffeen 4Q 2023
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Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

		GW Level Measurement				Purge Activities							
WO Sample	Well ID	Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
036	G216	JC	11/16/23 10:47	18.21		JC	11/16/2023	11:05	11:20	Bladder Pump	2"	3.5	233.3
037	G217	JC	11/16/23 10:16	19.68		JC	11/16/2023	10:26	10:43	Bladder Pump	2"	4.0	235.3
038	G218	JC	11/16/23 9:42	18.67		JC	11/16/2023	09:45	10:13	Bladder Pump	2"	9.0	321.4
039	G270	JC	11/17/23 8:55	10.90		JC	11/17/2023	09:00	09:13	Bladder Pump	2"	2.0	153.8
040	G271	JC	11/17/23 9:18	13.00		JC	11/17/2023	09:27	09:42	Bladder Pump	2"	5.0	333.3
041	G272	JC	11/17/23 9:47	12.01		JC	11/17/2023	09:59	10:19	Bladder Pump	2"	3.5	175.0
042	G273	JC	11/17/23 10:23	12.71		JC	11/17/2023	10:29	10:37	Bladder Pump	2"	2.0	250.0
043	G274	JC	11/17/23 10:41	15.77		JC	11/17/2023	10:51	11:00	Bladder Pump	2"	2.0	222.2
044	G275	JC	11/13/23 9:28										
045	G275D	JC	12/7/23 8:54	39.56		JC	12/7/2023	08:58	09:13	Bladder Pump	2"	3.0	200.0
046	G276	JC	11/17/23 11:10	28.59		JC	11/17/2023	11:20	11:35	Bladder Pump	2"	4.0	266.7
047	G277	JC	11/13/23 9:33										
048	G278	JC	11/20/23 9:17	24.23		JC	11/20/2023	09:20	09:31	Submersible Pump	2"	4.0	363.6
049	G279	JC	11/17/23 11:54	23.39		JC	11/17/2023	11:55	12:03	Bladder Pump	2"	2.0	250.0
050	G280	JC	11/20/23 9:39	8.91		JC	11/20/2023	09:42	09:50	Bladder Pump	2"	1.5	187.5
051	G281	JC	11/20/23 8:43	8.59		JC	11/20/2023	08:46	08:56	Bladder Pump	2"	2.0	200.0
052	G283	JC	11/20/23 9:54	7.22		JC	11/20/2023	10:09	10:34	Bladder Pump	2"	4.0	160.0
053	G284	JC	11/13/23 9:03										
054	G285	JC	11/20/23 10:38	9.38		JC	11/20/2023	10:52	11:02	Bladder Pump	2"	1.5	150.0
055	G286	JC	11/13/23 12:46										
056	G288	JC	11/13/23 12:49	9.84									
057	G301	TAC	11/20/23 10:14	8.25		DC	11/20/2023	10:15	10:42	Bladder Pump	2"	7.5	277.8
058	G302	TAC	11/20/23 12:01	12.73		DC	11/20/2023	12:01	12:22	Bladder Pump	2"	4.5	214.3
059	G303	DC	11/21/23 11:03	8.90		DC	11/21/2023	11:03	11:28	Bladder Pump	2"	6.0	240.0
060	G305	TAC	11/17/23 10:32	9.25		DC	11/17/2023	10:33	10:55	Bladder Pump	2"	6.0	272.7
061	G306	TAC	11/17/23 12:06	9.84		DC	11/17/2023	12:07	12:26	Bladder Pump	2"	5.5	289.5
062	G307	TAC	11/21/23 8:39	1.33		DC	11/21/2023	08:41	09:37	Peristaltic Pump	2"	7.0	125.0
063	G307D	TAC	11/17/23 11:14	11.72		DC	11/17/2023	11:16	11:38	Bladder Pump	2"	3.0	136.4
064	G308	TAC	11/17/23 9:52	5.82		DC	11/17/2023	09:53	10:11	Bladder Pump	2"	4.5	250.0
065	G309	JC	11/13/23 10:51	8.32									
066	G310	TAC	11/20/23 9:26	10.63		DC	11/20/2023	09:26	09:49	Bladder Pump	2"	5.0	217.4
067	G312	JC	11/13/23 11:08										
068	G313	TAC	11/20/23 13:43	3.13		DC	11/20/2023	13:44	14:04	Bladder Pump	2"	5.5	275.0
069	G314	TAC	11/20/23 14:53	5.88		DC	11/20/2023	15:06	15:24	Bladder Pump	2"	3.5	194.4
070	G314D	DC	11/20/23 14:26	8.05		DC	11/20/2023	14:26	14:49	Bladder Pump	2"	6.0	260.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

		GW Level Measurement				Purge Activities							
WO Sample	Well ID	Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
071	G315	TAC	11/21/23 10:13	2.93		DC	11/21/2023	10:15	10:37	Bladder Pump	2"	4.5	204.5
072	G316	TAC	11/20/23 13:00	12.48		DC	11/20/2023	13:00	13:21	Bladder Pump	2"	4.5	214.3
073	G317	JC	11/13/23 12:55										
074	G401	JC	11/21/23 8:57	13.63		JC	11/21/2023	09:04	09:24	Bladder Pump	2"	2.0	100.0
075	G402	JC	11/21/23 8:18	11.71		JC	11/21/2023	08:25	08:37	Bladder Pump	2"	2.0	166.7
076	G403	JC	11/20/23 11:30	8.27		JC	11/20/2023	11:30	11:41	Bladder Pump	2"	3.5	318.2
077	G404	JC	11/21/23 9:51	6.48		JC	11/21/2023	09:54	10:07	Bladder Pump	2"	2.0	153.8
078	G405	JC	11/21/23 10:11	7.73		JC	11/21/2023	10:23	10:32	Bladder Pump	2"	1.5	166.7
079	G406	JC	11/20/23 12:56	13.83		JC	11/20/2023	13:11	13:20	Bladder Pump	2"	1.0	111.1
080	G407	JC	11/20/23 11:45	8.31		JC	11/20/2023	12:04	12:18	Bladder Pump	2"	1.5	107.1
081	G410	JC	11/20/23 12:22	10.68		JC	11/20/2023	12:37	12:50	Bladder Pump	2"	2.0	153.8
082	G411	JC	11/20/23 13:24	11.20		JC	11/20/2023	13:40	13:50	Bladder Pump	2"	1.5	150.0
083	G1001	JC	11/14/23 11:03	6.49		JC	11/14/2023	11:06	11:36	Submersible Pump	2"	10.0	333.3
084	G1003	JC	11/13/23 10:20										
085	L202	JC	11/13/23 13:16	22.00		TAC	11/16/2023						
086	MW03D	JC	11/13/23 9:57	32.01									
087	MW12D	JC	11/13/23 10:41	15.64									
088	MW20S	JC	11/13/23 9:54	11.96									
089	NE Riser	JC											
090	R104	JC	11/14/23 14:27	12.91		JC	11/14/2023	14:32	14:40	Bladder Pump	2"	3.5	**437.5**
091	R201	JC	11/14/23 10:15	11.73		JC	11/14/2023	10:20	10:34	Submersible Pump	2"	5.0	357.1
092	R205	JC	11/20/23 14:12	11.48		JC	11/20/2023	14:13	14:39	Bladder Pump	2"	3.0	115.4
093	SG-02	JC	11/13/23 14:03	7.36									
094	SG-03	JC	11/13/23 13:53	9.71									
095	SG-04	JC	11/13/23 14:21	6.32									
096	T127	JC	11/15/23 10:17	15.95		JC	11/15/2023	10:24	10:52	Submersible Pump	2"	8.0	285.7
097	T128	JC	11/15/23 9:56	15.50		JC	11/15/2023	10:00	10:11	Bladder Pump	2"	3.0	272.7
098	X201	JC	11/20/23 13:59	34.00		JC	11/20/2023	14:08	14:08	Bailer			
099	XPW01	TAC	11/17/23 9:18	6.28		DC	11/17/2023	09:19	09:39	Bladder Pump	2"	6.5	325.0
100	XPW02	TAC	11/17/23 8:38	11.13		DC	11/17/2023	08:44	09:02	Bladder Pump	2"	4.5	250.0
101	XSG-01	JC	11/13/23 13:16	10.38									
102	Field Blank												
103	G102 Duplicate	JC	11/14/23 15:17	12.84		JC	11/14/2023	15:21	15:37	Bladder Pump	2"	3.0	187.5
104	G200 Duplicate	JC	11/14/23 9:17	11.88		JC	11/14/2023	09:23	10:01	Submersible Pump	2"	14.0	368.4
105	G273 Duplicate	JC	11/17/23 10:23	12.71		JC	11/17/2023	10:29	10:37	Bladder Pump	2"	2.0	250.0

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

		GW Level Measurement				Purge Activities							
WO Sample	**Well ID**	**Sampler Initials**	**Date/Time**	**DTW (ft)**	**DTB (ft)**	**Sampler Initials**	**Purge Date**	**Purge Start Time**	**Purge End Time**	**Purging Device**	**Well Diameter (in)**	**Actual Volume Purged (L)**	**Purge Rate (mL/min)**
106	G301 Duplicate	TAC	11/20/23 10:14	8.25		DC	11/20/2023	10:15	10:42	Bladder Pump	2"	7.5	277.8
107	R201 Duplicate	JC	11/14/23 10:15	11.73		JC	11/14/2023	10:20	10:34	Submersible Pump	2"	5.0	357.1
108	G211	JC	12/6/23 10:36	15.94		JC	12/6/2023	10:37	11:16	Bladder Pump	2"	4.5	115.4

Site Samping Event: Coffeen 4Q 2023
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Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

WO Sample	Well ID	Sampling Activities and Observations									
		Sampler Initials	Date	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	G101	JC	11/14/23	16:11	Low Flow	Yes	Clear	None	none	14.10	0.15
002	G102	JC	11/14/23	15:37	Low Flow	Yes	Clear	None	none	13.32	0.48
003	G103	JC	11/14/23	15:13	Low Flow	Yes	Clear	None	none	18.06	**2.06**
004	G105	JC	11/14/23	14:22	Low Flow	Yes	Clear	None	none	17.33	**3.87**
005	G106	JC	11/14/23	13:54	Low Flow	Yes	Clear	None	none	17.68	**3.47**
006	G107	JC	11/14/23	13:33	Low Flow	Yes	Clear	None	none	16.86	**2.46**
007	G108	JC	11/14/23	13:15	Low Flow	Yes	Clear	None	none	16.85	**1.89**
008	G109	JC	11/14/23	12:59	Low Flow	Yes	Clear	None	none	15.96	**0.87**
009	G110	JC	11/14/23	12:41	Low Flow	Yes	Clear	None	none	16.04	**0.61**
010	G111	JC	11/14/23	11:59	Low Flow	Yes	Clear	None	none	17.00	**0.91**
011	G119	JC	11/15/23	09:52	Low Flow	Yes	Clear	None	none	18.30	**2.05**
012	G120	JC	11/15/23	09:37	Low Flow	Yes	Clear	None	none	18.79	**1.71**
013	G121	JC	11/15/23	09:23	Low Flow	Yes	Clear	None	none	20.42	**1.46**
014	G122	JC	11/15/23	09:06	Low Flow	Yes	Clear	None	none	21.20	**0.8**
015	G123	JC	11/15/23	08:47	Low Flow	Yes	Clear	None	none	20.54	**0.6**
016	G124	JC	12/07/23	10:05	Low Flow	Yes	Slightly cloudy	None	none	21.06	**0.85**
017	G125	JC	12/07/23	10:25	Low Flow	Yes	Clear	None	none	20.76	0.44
018	G126	JC	11/15/23	11:11	Low Flow	Yes	Clear	None	none	12.20	0.29
019	G151	JC	11/15/23	11:40	Low Flow	Yes	Clear	None	none	13.58	**0.61**
020	G152	JC	11/20/23	08:30	Low Flow	Yes	Slightly cloudy	None	none	21.04	**8.01**
021	G153	JC	11/15/23	13:38	Low Flow	Yes	Clear	None	none	16.68	**1.78**
022	G154	JC	11/15/23	12:54	Low Flow	Yes	Clear	None	none	16.61	**0.85**
023	G155	JC	11/15/23	12:16	Low Flow	Yes	Cloudy	None	lt brown	18.91	**4.99**
024	G200	JC	11/14/23	10:01	Low Flow	Yes	Slightly cloudy	None	none	13.01	**1.13**
025	G206	JC	11/15/23	14:31	Low Flow	Yes	Clear	None	none	17.20	**1.04**
026	G206D	JC	11/17/23	08:42	Low Flow	Yes	Clear	Slight	none	31.45	**1.05**
027	G207	JC	11/14/23	08:49	Low Flow	Yes	Slightly cloudy	None	none	19.80	**3.13**
028	G208	JC	11/17/23	08:21	Low Flow	Yes	Clear	None	none	17.80	**1.14**
029	G209	JC	11/16/23	14:39	Low Flow	Yes	Clear	None	none	18.36	**2.12**
030	G210	JC	11/16/23	14:21	Low Flow	Yes	Clear	None	none	16.85	**1.03**
031	G211	JC	11/16/23	13:53	Low Flow	Yes	Clear	None	none	17.91	**2.3**
032	G212	JC	11/16/23	13:12	Low Flow	Yes	Clear	None	none	17.85	**0.93**
033	G213	JC	11/16/23	12:48	Low Flow	Yes	Clear	None	none	18.61	**1.2**
034	G214	JC	11/16/23	12:18	Low Flow	Yes	Clear	None	none	20.48	**1.13**
035	G215	JC	11/16/23	11:52	Low Flow	Yes	Clear	None	none	19.08	0.05

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

WO Sample	Well ID	Sampling Activities and Observations									
		Sampler Initials	Date	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
036	G216	JC	11/16/23	11:20	Low Flow	Yes	Clear	None	none	19.32	**1.11**
037	G217	JC	11/16/23	10:43	Low Flow	Yes	Clear	None	none	20.10	0.42
038	G218	JC	11/16/23	10:13	Low Flow	Yes	Clear	None	none	19.81	**1.14**
039	G270	JC	11/17/23	09:13	Low Flow	Yes	Clear	None	none	11.31	0.41
040	G271	JC	11/17/23	09:42	Low Flow	Yes	Clear	None	none	14.20	**1.2**
041	G272	JC	11/17/23	10:19	Low Flow	Yes	Clear	None	none	12.46	0.45
042	G273	JC	11/17/23	10:37	Low Flow	Yes	Clear	None	none	13.09	0.38
043	G274	JC	11/17/23	11:00	Low Flow	Yes	Clear	None	none	16.19	0.42
044	G275	JC	11/17/23								
045	G275D	JC	12/07/23	09:13	Low Flow	No	Slightly cloudy	Slight	none	42.15	**2.59**
046	G276	JC	11/17/23	11:34	Low Flow	Yes	Slightly cloudy	None	none	29.80	**1.21**
047	G277	JC	11/17/23								
048	G278	JC	11/20/23	09:31	Low Flow	Yes	Slightly cloudy	None	none	26.09	**1.86**
049	G279	JC	11/17/23	12:03	Low Flow	Yes	Clear	None	none	24.02	**0.63**
050	G280	JC	11/20/23	09:50	Low Flow	Yes	Clear	None	none	9.11	0.2
051	G281	JC	11/20/23	08:56	Low Flow	Yes	Clear	None	none	8.94	0.35
052	G283	JC	11/20/23	10:34	Low Flow	No	Clear	None	none	8.03	**0.81**
053	G284	JC	11/17/23								
054	G285	JC	11/20/23	11:02	Low Flow	No	Clear	None	none	10.98	**1.6**
055	G286										
056	G288										
057	G301	TAC	11/20/23	10:42	Low Flow	No	Clear	Slight	None	9.56	**1.31**
058	G302	TAC	11/20/23	12:22	Low Flow	No	Clear	Slight	None	13.55	**0.82**
059	G303	TAC	11/21/23	11:28	Low Flow	No	Clear	None	None	11.21	**2.31**
060	G305	TAC	11/17/23	10:55	Low Flow	No	Clear	None	None	9.46	0.21
061	G306	TAC	11/17/23	12:26	Low Flow	No	Cloudy	None	Lite Brown	12.64	**2.8**
062	G307	TAC	11/21/23	09:37	Low Flow	No	Clear	None	None	1.46	0.13
063	G307D	TAC	11/17/23	11:38	Low Flow	No	Clear	None	None	16.55	**4.83**
064	G308	TAC	11/17/23	10:11	Low Flow	No	Clear	None	None	6.44	**0.62**
065	G309										
066	G310	TAC	11/20/23	09:49	Low Flow	No	Clear	None	None	10.91	0.28
067	G312	JC	11/17/23								
068	G313	TAC	11/20/23	14:04	Low Flow	No	Clear	Slight	None	3.83	**0.7**
069	G314	TAC	11/20/23	15:24	Low Flow	No	Clear	None	None	10.40	**4.52**
070	G314D	TAC	11/20/23	14:49	Low Flow	No	Clear	Slight	None	17.76	**9.71**

Site Samping Event: Coffeen 4Q 2023
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Groundwater Sampling Summary
Coffeen- 4Q 2023

WO Sample	Well ID	Sampling Activities and Observations									
		Sampler Initials	Date	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
071	G315	TAC	11/20/23	10:37	Low Flow	No	Clear	None	None	3.50	**0.57**
072	G316	TAC	11/20/23	13:21	Low Flow	No	Clear	None	None	13.10	**0.62**
073	G317										
074	G401	JC	11/21/23	09:24	Low Flow	Yes	Slightly cloudy	None	lt brown	14.07	0.44
075	G402	JC	11/21/23	08:37	Low Flow	Yes	Slightly cloudy	None	none	11.72	0.01
076	G403	JC	11/20/23	11:41	Low Flow	Yes	Clear	Slight	none	11.40	**3.13**
077	G404	JC	11/21/23	10:07	Low Flow	Yes	Clear	None	none	6.78	0.3
078	G405	JC	11/21/23	10:32	Low Flow	Yes	Clear	None	none	8.02	0.29
079	G406	JC	11/20/23	13:20	Low Flow	Yes	Clear	None	none	14.46	**0.63**
080	G407	JC	11/20/23	12:18	Low Flow	Yes	Clear	None	none	10.04	**1.73**
081	G410	JC	11/20/23	12:50	Low Flow	Yes	Clear	None	none	10.74	0.06
082	G411	JC	11/20/23	13:50	Low Flow	Yes	Clear	None	none	11.49	0.29
083	G1001	JC	11/14/23	11:36	Low Flow	No	Slightly cloudy	None	none	10.06	**3.57**
084	G1003										
085	L202	TAC	11/16/23	11:38	No purge						
086	MW03D										
087	MW12D										
088	MW20S										
089	NE Riser										
090	R104	JC	11/14/23	14:40	Low Flow	Yes	Clear	None	none	18.10	**5.19**
091	R201	JC	11/14/23	10:37	Low Flow	Yes	Clear	Slight	none	14.98	**3.25**
092	R205	JC	11/20/23	14:39	Low Flow	Yes	Slightly cloudy	None	none	11.81	0.33
093	SG-02										
094	SG-03										
095	SG-04										
096	T127	JC	11/15/23	10:52	Low Flow	Yes	Slightly cloudy	None	none	16.58	**0.63**
097	T128	JC	11/15/23	10:11	Low Flow	Yes	Clear	None	none	15.80	0.3
098	X201	JC	11/20/23	14:08	No purge	No	Clear	None	none	34.00	0
099	XPW01	TAC	11/17/23	09:39	Low Flow	No	Clear	None	None	6.30	0.02
100	XPW02	TAC	11/17/23	09:02	Low Flow	No	Clear	None	None	11.13	0
101	XSG-01										
102	Field Blank	JC	11/21/23	10:36							
103	G102 Duplicate	JC	11/14/23	15:37	Low Flow	Yes	Clear	None	none	13.32	0.48
104	G200 Duplicate	JC	11/14/23	10:01	Low Flow	Yes	Slightly cloudy	None	none	13.01	**1.13**
105	G273 Duplicate	JC	11/17/23	10:37	Low Flow	Yes	Clear	None	none	13.09	0.38

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

		Sampling Activities and Observations									
WO Sample	**Well ID**	**Sampler Initials**	**Date**	**Time**	**Sampling Method**	**Field Filtered**	**Appearance**	**Odor**	**Color**	**Post-Sample DTW (ft)**	**Drawdown (ft)**
106	G301 Duplicate	TAC	11/20/23	10:42	Low Flow	No	Clear	Slight	None	9.56	**1.31**
107	R201 Duplicate	JC	11/14/23	10:37	Low Flow	Yes	Clear	Slight	none	14.98	**3.25**
108	G211	JC	12/06/23	11:16	Low Flow	No	Clear	None	none	17.00	**1.06**

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

WO Sample	Well ID	COMMENTS
001	G101	
002	G102	
003	G103	
004	G105	
005	G106	
006	G107	
007	G108	
008	G109	
009	G110	
010	G111	
011	G119	
012	G120	
013	G121	
014	G122	
015	G123	
016	G124	
017	G125	
018	G126	
019	G151	
020	G152	
021	G153	
022	G154	
023	G155	
024	G200	
025	G206	
026	G206D	
027	G207	
028	G208	
029	G209	
030	G210	
031	G211	
032	G212	
033	G213	
034	G214	
035	G215	

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

WO Sample	Well ID	COMMENTS
036	G216	
037	G217	
038	G218	
039	G270	
040	G271	
041	G272	
042	G273	
043	G274	
044	G275	Dry- no sample
045	G275D	
046	G276	
047	G277	Dry- no sample
048	G278	
049	G279	
050	G280	
051	G281	
052	G283	
053	G284	Dry- no sample
054	G285	
055	G286	Dry- No measurable water
056	G288	
057	G301	
058	G302	
059	G303	
060	G305	
061	G306	
062	G307	Had to remove pump and sample via perastalltic
063	G307D	
064	G308	
065	G309	
066	G310	
067	G312	Dry- no sample
068	G313	
069	G314	
070	G314D	

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

WO Sample	Well ID	COMMENTS
071	G315	
072	G316	
073	G317	Dry- No measurable water
074	G401	
075	G402	
076	G403	
077	G404	
078	G405	
079	G406	
080	G407	
081	G410	
082	G411	
083	G1001	
084	G1003	Dry- No measurable water
085	L202	
086	MW03D	
087	MW12D	
088	MW20S	
089	NE Riser	Unable to get elevation (no transducer)
090	R104	
091	R201	
092	R205	
093	SG-02	
094	SG-03	
095	SG-04	
096	T127	
097	T128	
098	X201	lechate
099	XPW01	
100	XPW02	Put DTW on wrong line DTW taken at 8.38
101	XSG-01	
102	Field Blank	
103	G102 Duplicate	
104	G200 Duplicate	
105	G273 Duplicate	

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 4Q 2023

WO Sample	Well ID	COMMENTS
106	G301 Duplicate	
107	R201 Duplicate	
108	G211	*Resample

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Coffeen- 4Q 2023

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
G101	11/14/2023	16:11	15.2	59.4	7.16	1,179.4	2.81	21.87	56.3	13.95	23110002-001A
G102	11/14/2023	15:37	16.4	61.5	7.30	881.0	0.78	26.48	17.9	12.84	23110002-002A
G103	11/14/2023	15:13	16.4	61.5	7.12	851.5	1.46	15.48	17.2	16.00	23110002-003A
G105	11/14/2023	14:22	16.6	61.9	7.16	803.5	0.92	8.76	-128.0	13.46	23110002-004A
G106	11/14/2023	13:54	17.3	63.1	7.02	877.9	3.58	8.61	48.4	14.21	23110002-005A
G107	11/14/2023	13:33	17.4	63.3	7.20	753.1	3.24	12.34	25.0	14.40	23110002-006A
G108	11/14/2023	13:15	17.8	64.0	7.20	751.7	2.63	4.03	-70.4	14.96	23110002-007A
G109	11/14/2023	12:59	16.7	62.1	7.03	938.7	1.28	14.68	50.8	15.09	23110002-008A
G110	11/14/2023	12:41	17.3	63.1	6.94	908.2	0.98	15.24	1.9	15.43	23110002-009A
G111	11/14/2023	11:59	17.4	63.3	7.14	817.6	1.15	8.45	9.2	16.09	23110002-010A
G119	11/15/2023	9:52	16.6	61.9	7.20	703.4	2.93	6.76	114.4	16.25	23110002-011A
G120	11/15/2023	9:37	16.6	61.9	7.02	875.6	4.11	8.07	121.9	17.08	23110002-012A
G121	11/15/2023	9:23	16.4	61.5	6.94	946.8	3.52	10.14	122.2	18.96	23110002-013A
G122	11/15/2023	9:06	15.7	60.3	6.79	1,178.9	4.50	12.43	128.8	20.40	23110002-014A
G123	11/15/2023	8:47	15.3	59.5	6.87	941.5	1.21	7.42	118.6	19.94	23110002-015A
G124	12/7/2023	10:05	14.9	58.9	6.88	1,116.1	4.14	9.50	97.9	20.21	23110002-016A
G125	12/7/2023	10:25	15.6	60.0	7.07	1,147.4	3.88	9.78	100.4	20.32	23110002-017A
G126	11/15/2023	11:11	17.3	63.1	7.12	887.2	1.38	5.81	87.2	11.91	23110002-018A
G151	11/15/2023	11:40	17.5	63.5	7.23	906.2	3.05	9.81	102.1	12.97	23110002-019A
G152	11/20/2023	8:30	16.0	60.8	6.85	845.9	2.01	50.74	88.0	13.03	23110002-020A
G153	11/15/2023	13:38	17.2	63.0	6.80	3,970.3	1.58	14.37	-80.9	14.90	23110002-021A
G154	11/15/2023	12:54	17.0	62.6	7.36	660.6	1.37	10.96	100.4	15.76	23110002-022A
G155	11/15/2023	12:16	18.1	64.6	7.23	917.0	2.80	32.49	100.5	13.92	23110002-023A
G200	11/14/2023	10:01	16.0	60.8	7.16	793.4	0.98	101.80	96.6	11.88	23110002-024A
G206	11/15/2023	14:31	17.6	63.7	7.46	801.2	1.21	5.73	-255.9	16.16	23110002-025A
G206D	11/17/2023	8:42	15.0	59.0	7.14	996.3	1.85	8.10	-53.6	30.40	23110002-026A
G207	11/14/2023	8:49	16.4	61.5	6.73	632.0	2.35	8.49	130.3	16.67	23110002-027A
G208	11/17/2023	8:21	16.2	61.2	7.04	525.6	3.28	9.42	138.6	16.66	23110002-028A
G209	11/16/2023	14:39	16.3	61.3	7.00	1,212.9	1.52	4.71	-22.7	16.24	23110002-029A
G210	11/16/2023	14:21	16.3	61.3	7.29	848.2	1.05	11.03	87.5	15.82	23110002-030A
G211	11/16/2023	13:53	17.2	63.0	7.26	786.9	0.86	18.68	43.7	15.61	23110002-031A
G212	11/16/2023	13:12	16.8	62.2	7.15	680.4	2.36	6.74	102.3	16.92	23110002-032A
G213	11/16/2023	12:48	16.5	61.7	7.09	661.7	0.84	6.19	83.7	17.41	23110002-033A
G214	11/16/2023	12:18	16.8	62.2	7.12	923.5	2.38	8.33	82.1	19.35	23110002-034A
G215	11/16/2023	11:52	17.3	63.1	6.94	1,767.7	1.53	26.69	-11.9	19.03	23110002-035A
G216	11/16/2023	11:20	16.4	61.5	6.92	2,125.6	2.95	13.72	-53.8	18.21	23110002-036A
G217	11/16/2023	10:43	16.1	61.0	6.88	1,478.6	0.75	11.29	15.5	19.68	23110002-037A
G218	11/16/2023	10:13	15.8	60.4	6.84	1,531.8	0.63	20.47	-4.9	18.67	23110002-038A
G270	11/17/2023	9:13	15.2	59.4	7.12	688.8	1.91	9.98	97.7	10.90	23110002-039A
G271	11/17/2023	9:42	16.3	61.3	7.18	919.5	2.89	7.14	113.2	13.00	23110002-040A
G272	11/17/2023	10:19	14.8	58.6	7.18	1,270.8	3.42	8.75	120.4	12.01	23110002-041A
G273	11/17/2023	10:37	16.4	61.5	7.05	1,349.7	1.60	8.19	125.3	12.71	23110002-042A
G274	11/17/2023	11:00	15.6	60.1	7.08	1,086.9	1.68	8.07	126.0	15.77	23110002-043A
G275	11/17/2023		*Dry- no sample*								23110002-044A
G275D	12/7/2023	9:13	12.9	55.2	6.96	1,823.2	1.23	16.93	42.7	39.56	23110002-045A
G276	11/17/2023	11:35	15.0	59.0	6.93	1,259.0	4.33	13.17	134.0	28.59	23110002-046A
G277	11/17/2023		*Dry- no sample*								23110002-047A

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Coffeen- 4Q 2023

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
G278	11/20/2023	9:31	16.2	61.2	6.78	4,574.2	1.28	9.80	126.7	24.23	23110002-048A
G279	11/17/2023	12:03	16.8	62.2	6.76	5,637.0	1.41	7.29	140.7	23.39	23110002-049A
G280	11/20/2023	9:50	14.7	58.5	7.39	849.2	1.79	7.89	106.9	8.91	23110002-050A
G281	11/20/2023	8:56	16.1	61.0	6.90	1,254.0	1.54	9.45	111.8	8.59	23110002-051A
G283	11/20/2023	10:34	12.6	54.7	7.04	1,188.8	1.72	23.55	88.5	7.22	23110002-052A
G284	11/17/2023		*Dry- no sample*								23110002-053A
G285	11/20/2023	11:02	12.0	53.6	6.71	1,949.5	3.14	20.29	117.7	9.38	23110002-054A
G286	11/13/2023	12:46	DTW Only							N/A	23110002-055A
G288	11/13/2023	12:49	DTW Only							9.84	23110002-056A
G301	11/20/2023	10:42	15.5	59.9	6.43	1,167.1	1.01	4.98	-48.7	8.25	23110002-057A
G302	11/20/2023	12:22	15.4	59.7	6.50	1,377.3	0.84	15.08	-80.6	12.73	23110002-058A
G303	11/21/2023	11:28	14.0	57.2	6.63	1,945.3	2.52	26.96	-27.8	8.90	23110002-059A
G305	11/17/2023	10:55	15.1	59.2	6.91	1,780.7	0.73	10.90	12.0	9.25	23110002-060A
G306	11/17/2023	12:26	15.3	59.5	6.18	785.5	1.83	31.14	64.4	9.84	23110002-061A
G307	11/21/2023	9:37	13.2	55.8	6.85	1,184.2	3.41	22.01	100.7	1.33	23110002-062A
G307D	11/17/2023	11:38	15.4	59.7	6.99	1,466.9	0.79	53.44	-100.9	11.72	23110002-063A
G308	11/17/2023	10:11	16.0	60.8	6.89	1,872.4	0.81	7.41	5.1	5.82	23110002-064A
G309	11/13/2023	10:51	DTW Only							8.32	23110002-065A
G310	11/20/2023	9:49	15.7	60.3	6.83	1,388.8	1.06	2.93	85.8	10.63	23110002-066A
G312	11/17/2023		*Dry- no sample*								23110002-067A
G313	11/20/2023	14:04	15.9	60.6	6.67	1,730.7	0.86	6.44	6.3	3.13	23110002-068A
G314	11/20/2023	15:24	15.1	59.2	6.51	3,239.1	1.67	7.19	-33.9	5.88	23110002-069A
G314D	11/20/2023	14:49	14.4	57.9	6.73	2,661.2	0.79	15.71	-53.6	8.05	23110002-070A
G315	11/21/2023	10:37	14.0	57.2	6.54	1,376.9	1.43	4.27	100.5	2.93	23110002-071A
G316	11/20/2023	13:21	15.0	59.0	6.76	1,893.4	1.00	1.41	-117.1	12.48	23110002-072A
G317	11/13/2023	12:55	DTW Only							N/A	23110002-073A
G401	11/21/2023	9:24	12.9	55.2	5.89	2,830.7	1.13	28.02	14.7	13.63	23110002-074A
G402	11/21/2023	8:37	15.0	59.0	6.66	1,578.9	3.40	21.11	157.7	11.71	23110002-075A
G403	11/20/2023	11:41	15.1	59.2	6.90	684.6	1.22	4.18	112.4	8.27	23110002-076A
G404	11/21/2023	10:07	13.7	56.7	6.67	2,027.5	2.09	8.10	84.7	6.48	23110002-077A
G405	11/21/2023	10:32	15.3	59.5	6.95	1,837.0	3.08	5.50	75.5	7.73	23110002-078A
G406	11/20/2023	13:20	15.7	60.3	6.59	1,206.3	1.81	3.02	127.4	13.83	23110002-079A
G407	11/20/2023	12:18	14.2	57.6	6.57	2,982.8	1.56	10.49	124.2	8.31	23110002-080A
G410	11/20/2023	12:50	15.3	59.5	6.77	1,211.1	1.18	5.06	28.2	10.68	23110002-081A
G411	11/20/2023	13:50	14.6	58.3	7.28	896.2	1.53	5.72	115.5	11.20	23110002-082A
G1001	11/14/2023	11:36	16.7	62.1	6.97	1,220.2	1.59	10.35	0.3	6.49	23110002-083A
G1003	11/13/2023	10:20	DTW Only							N/A	23110002-084A
L202	11/16/2023	13:38	20.9	69.6	11.57	15,796.2	6.41	15.47	-92.7	22.00	23110002-085A
MW03D	11/13/2023	9:57	DTW Only							32.01	23110002-086A
MW12D	11/13/2023	10:41	DTW Only							15.64	23110002-087A
MW20S	11/13/2023	9:54	DTW Only							11.96	23110002-088A
NE Riser			Unable to collect DTW Data								23110002-089A
R104	11/14/2023	14:40	17.1	62.8	7.41	765.9	3.62	3.74	-21.7	12.91	23110002-090A
R201	11/14/2023	10:37	16.0	60.8	6.99	1,157.1	0.75	13.87	-96.6	11.73	23110002-091A
R205	11/20/2023	14:39	14.6	58.3	6.77	1,393.0	0.98	24.11	126.8	11.48	23110002-092A
SG-02	11/13/2023	14:03	DTW Only							7.36	23110002-093A
SG-03	11/13/2023	13:53	DTW Only							9.71	23110002-094A

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Coffeen- 4Q 2023

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
SG-04	11/13/2023	14:21	DTW Only							6.32	23110002-095A
T127	11/15/2023	10:52	18.0	64.4	7.10	784.4	1.44	53.59	92.1	15.95	23110002-096A
T128	11/15/2023	10:11	16.9	62.4	6.99	725.6	1.48	3.18	96.7	15.50	23110002-097A
X201	11/20/2023	14:08	12.7	54.9	6.63	22,523.7	9.63	5.23	140.7	34.00	23110002-098A
XPW01	11/17/2023	9:39	18.4	65.1	7.14	1,314.9	1.20	24.81	-83.1	6.28	23110002-099A
XPW02	11/17/2023	9:02	19.5	67.1	7.60	790.2	1.32	3.86	-106.8	11.13	23110002-100A
XSG-01	11/13/2023	13:16	DTW Only							10.38	23110002-101A
Field Blank	11/21/2023	10:36									23110002-102A
G102 Duplicate	11/14/2023	15:37	16.4	61.5	7.30	881.0	0.78	26.48	17.9	12.84	23110002-103A
G200 Duplicate	11/14/2023	10:01	16.0	60.8	7.16	793.4	0.98	101.80	96.6	11.88	23110002-104A
G273 Duplicate	11/17/2023	10:37	16.4	61.5	7.05	1,349.7	1.60	8.19	125.3	12.71	23110002-105A
G301 Duplicate	11/20/2023	10:42	15.5	59.9	6.43	1,167.1	1.01	4.98	-48.7	8.25	23110002-106A
R201 Duplicate	11/14/2023	10:37	16.0	60.8	6.99	1,157.1	0.75	13.87	-96.6	11.73	23110002-107A
G211	12/6/2023	11:16	15.2	59.4	6.99	1,018.6	0.98	9.31	112.7	15.94	23110002-108A

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G101	11/14/2023	16:02	13.95	15.1	59.2	7.16	894.1	3.12	35.43	58.8
G101	11/14/2023	16:05	13.95	15.1	59.2	7.16	825.0	2.89	42.94	59.4
G101	11/14/2023	16:08	13.95	15.1	59.2	7.15	1,177.0	2.85	22.09	59.2
G101	11/14/2023	16:11	13.95	15.2	59.4	7.16	1,179.4	2.81	21.87	56.3

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102	11/14/2023	15:31	12.84	16.4	61.5	7.31	887.2	1.11	34.34	24.9
G102	11/14/2023	15:34	12.84	16.4	61.5	7.30	883.5	0.90	29.22	20.2
G102	11/14/2023	15:37	12.84	16.4	61.5	7.30	881.0	0.78	26.48	17.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G103	11/14/2023	15:04	16.00	16.5	61.7	7.16	842.2	1.85	20.62	12.0
G103	11/14/2023	15:07	16.00	16.4	61.5	7.14	845.9	1.61	24.46	14.0
G103	11/14/2023	15:10	16.00	16.4	61.5	7.13	849.8	1.51	14.63	16.5
G103	11/14/2023	15:13	16.00	16.4	61.5	7.12	851.5	1.46	15.48	17.2

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G105	11/14/2023	14:16	13.46	16.6	61.9	7.16	808.5	2.30	23.63	-107.3
G105	11/14/2023	14:19	13.46	16.6	61.9	7.17	805.8	1.22	10.65	-126.7
G105	11/14/2023	14:22	13.46	16.6	61.9	7.16	803.5	0.92	8.76	-128.0

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G106	11/14/2023	13:48	14.21	17.4	63.3	7.05	882.8	3.25	15.41	43.8
G106	11/14/2023	13:51	14.21	17.4	63.3	7.04	879.4	3.41	13.53	45.6
G106	11/14/2023	13:54	14.21	17.3	63.1	7.02	877.9	3.58	8.61	48.4

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G107	11/14/2023	13:24	14.40	17.0	62.6	7.41	752.3	5.34	7.64	28.4
G107	11/14/2023	13:27	14.40	17.3	63.1	7.22	755.6	2.81	9.31	18.2
G107	11/14/2023	13:30	14.40	17.4	63.3	7.20	753.6	3.22	11.22	21.3
G107	11/14/2023	13:33	14.40	17.4	63.3	7.20	753.1	3.24	12.34	25.0

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G108	11/14/2023	13:09	14.96	16.9	62.4	7.29	744.2	4.72	3.45	-53.6
G108	11/14/2023	13:12	14.96	17.3	63.1	7.22	747.6	3.28	3.61	-77.3
G108	11/14/2023	13:15	14.96	17.8	64.0	7.20	751.7	2.63	4.03	-70.4

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G109	11/14/2023	12:53	15.09	16.6	61.9	7.06	940.6	2.55	11.44	55.2
G109	11/14/2023	12:56	15.09	16.7	62.1	7.03	939.6	1.53	11.84	51.3
G109	11/14/2023	12:59	15.09	16.7	62.1	7.03	938.7	1.28	14.68	50.8

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G110	11/14/2023	12:26	15.43	17.1	62.8	6.97	898.4	1.78	20.13	2.3
G110	11/14/2023	12:29	15.43	17.1	62.8	6.95	904.9	1.35	17.91	-3.4
G110	11/14/2023	12:32	15.43	17.1	62.8	6.93	906.1	1.16	15.55	-3.0
G110	11/14/2023	12:35	15.43	17.1	62.8	6.93	906.0	1.11	16.01	0.0
G110	11/14/2023	12:38	15.43	17.1	62.8	6.93	907.6	1.07	15.26	1.1
G110	11/14/2023	12:41	15.43	17.3	63.1	6.94	908.2	0.98	15.24	1.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G111	11/14/2023	11:53	16.09	17.3	63.1	7.23	857.1	2.61	13.77	6.6
G111	11/14/2023	11:56	16.09	17.4	63.3	7.16	821.3	1.56	9.03	4.3
G111	11/14/2023	11:59	16.09	17.4	63.3	7.14	817.6	1.15	8.45	9.2

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G119	11/15/2023	9:46	16.25	16.6	61.9	7.30	700.6	4.25	11.84	111.6
G119	11/15/2023	9:49	16.25	16.6	61.9	7.22	702.6	3.50	8.82	114.5
G119	11/15/2023	9:52	16.25	16.6	61.9	7.20	703.4	2.93	6.76	114.4

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G120	11/15/2023	9:31	17.08	16.3	61.3	7.16	873.7	5.96	8.78	115.7
G120	11/15/2023	9:34	17.08	16.5	61.7	7.04	878.3	4.18	6.70	121.1
G120	11/15/2023	9:37	17.08	16.6	61.9	7.02	875.6	4.11	8.07	121.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G121	11/15/2023	9:17	18.96	16.2	61.2	6.97	948.6	3.87	14.43	122.0
G121	11/15/2023	9:20	18.96	16.4	61.5	6.95	949.6	3.41	10.42	122.5
G121	11/15/2023	9:23	18.96	16.4	61.5	6.94	946.8	3.52	10.14	122.2

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G122	11/15/2023	8:57	20.40	15.3	59.5	6.89	1,209.1	5.07	7.56	123.9
G122	11/15/2023	9:00	20.40	15.4	59.7	6.81	1,187.0	3.94	14.24	127.1
G122	11/15/2023	9:03	20.40	15.6	60.1	6.79	1,181.7	4.55	12.66	128.3
G122	11/15/2023	9:06	20.40	15.7	60.3	6.79	1,178.9	4.50	12.43	128.8

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G123	11/15/2023	8:41	19.94	15.2	59.4	6.70	945.6	2.29	6.93	132.6
G123	11/15/2023	8:44	19.94	15.2	59.4	6.81	946.0	1.48	7.46	124.2
G123	11/15/2023	8:47	19.94	15.3	59.5	6.87	941.5	1.21	7.42	118.6

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G124	12/7/2023	9:47	20.21	14.8	58.6	7.05	1,125.0	5.81	15.71	90.6
G124	12/7/2023	9:50	20.21	15.1	59.2	6.96	1,110.1	4.05	21.33	92.6
G124	12/7/2023	9:53	20.21	15.2	59.3	6.93	1,108.6	3.90	19.58	93.9
G124	12/7/2023	9:56	20.21	15.1	59.2	6.91	1,110.4	4.27	17.88	95.3
G124	12/7/2023	9:59	20.21	15.2	59.3	6.89	1,112.2	4.46	13.24	96.5
G124	12/7/2023	10:02	20.21	14.8	58.7	6.89	1,116.4	4.37	10.55	97.4
G124	12/7/2023	10:05	20.21	14.9	58.9	6.88	1,116.1	4.14	9.50	97.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G125	12/7/2023	10:19	20.32	15.4	59.8	7.23	1,134.2	6.09	8.35	98.9
G125	12/7/2023	10:22	20.32	15.4	59.7	7.11	1,145.5	3.94	10.08	99.9
G125	12/7/2023	10:25	20.32	15.6	60.0	7.07	1,147.4	3.88	9.78	100.4

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G126	11/15/2023	11:05	11.91	17.2	63.0	7.23	889.2	3.74	9.30	101.7
G126	11/15/2023	11:08	11.91	17.2	63.0	7.14	891.4	1.67	4.98	90.5
G126	11/15/2023	11:11	11.91	17.3	63.1	7.12	887.2	1.38	5.81	87.2

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G151	11/15/2023	11:31	12.97	17.4	63.3	7.23	912.4	3.29	22.57	102.7
G151	11/15/2023	11:34	12.97	17.5	63.5	7.22	908.2	3.10	14.82	102.4
G151	11/15/2023	11:37	12.97	17.5	63.5	7.22	905.4	2.99	12.16	102.5
G151	11/15/2023	11:40	12.97	17.5	63.5	7.23	906.2	3.05	9.81	102.1

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G152	11/20/2023	8:15	13.03	14.5	58.1	6.41	1,123.3	3.76	161.73	135.5
G152	11/20/2023	8:18	13.03	14.8	58.6	6.59	1,020.5	3.09	109.10	113.0
G152	11/20/2023	8:21	13.03	15.1	59.2	6.70	934.0	2.56	69.58	104.0
G152	11/20/2023	8:24	13.03	15.6	60.1	6.77	874.7	2.28	54.94	97.6
G152	11/20/2023	8:27	13.03	15.4	59.7	6.83	854.4	2.08	49.05	94.6
G152	11/20/2023	8:30	13.03	16.0	60.8	6.85	845.9	2.01	50.74	88.0

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G153	11/15/2023	13:32	14.90	17.2	63.0	6.81	4,156.1	2.66	23.13	-78.0
G153	11/15/2023	13:35	14.90	17.2	63.0	6.79	4,030.0	1.66	12.56	-73.5
G153	11/15/2023	13:38	14.90	17.2	63.0	6.80	3,970.3	1.58	14.37	-80.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G154	11/15/2023	12:39	15.76	17.1	62.8	7.37	661.3	1.68	35.58	103.9
G154	11/15/2023	12:42	15.76	17.0	62.6	7.36	660.9	1.50	26.04	103.0
G154	11/15/2023	12:45	15.76	17.0	62.6	7.36	660.7	1.44	21.12	102.3
G154	11/15/2023	12:48	15.76	17.0	62.6	7.36	660.4	1.44	14.64	101.5
G154	11/15/2023	12:51	15.76	17.0	62.6	7.36	660.2	1.41	15.28	101.0
G154	11/15/2023	12:54	15.76	17.0	62.6	7.36	660.6	1.37	10.96	100.4

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G155	11/15/2023	12:04	13.92	18.1	64.6	7.22	923.4	3.49	63.66	100.1
G155	11/15/2023	12:07	13.92	18.1	64.6	7.23	919.1	3.55	55.28	100.3
G155	11/15/2023	12:10	13.92	18.1	64.6	7.23	918.1	3.39	40.61	100.5
G155	11/15/2023	12:13	13.92	18.1	64.6	7.22	918.6	3.05	31.70	100.6
G155	11/15/2023	12:16	13.92	18.1	64.6	7.23	917.0	2.80	32.49	100.5

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200	11/14/2023	9:55	11.88	15.7	60.3	7.16	792.8	0.98	105.29	98.4
G200	11/14/2023	9:58	11.88	15.7	60.3	7.16	792.8	1.00	103.48	97.2
G200	11/14/2023	10:01	11.88	16.0	60.8	7.16	793.4	0.98	101.80	96.6

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206	11/15/2023	14:25	16.16	17.4	63.3	7.44	811.3	4.80	9.67	-165.3
G206	11/15/2023	14:28	16.16	17.4	63.3	7.46	802.7	1.94	5.52	-228.7
G206	11/15/2023	14:31	16.16	17.6	63.7	7.46	801.2	1.21	5.73	-255.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206D	11/17/2023	8:36	30.40	16.0	60.8	7.33	991.1	7.35	5.86	95.1
G206D	11/17/2023	8:39	30.40	15.1	59.2	7.09	999.7	2.78	7.65	-14.3
G206D	11/17/2023	8:42	30.40	15.0	59.0	7.14	996.3	1.85	8.10	-53.6

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G207	11/14/2023	8:43	16.67	15.6	60.1	6.17	633.0	5.58	9.64	154.7
G207	11/14/2023	8:46	16.67	16.0	60.8	6.58	630.8	4.49	9.19	137.8
G207	11/14/2023	8:49	16.67	16.4	61.5	6.73	632.0	2.35	8.49	130.3

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G208	11/17/2023	8:15	16.66	16.3	61.3	6.48	533.6	5.11	14.31	164.5
G208	11/17/2023	8:18	16.66	16.2	61.2	6.90	530.0	3.52	14.70	146.3
G208	11/17/2023	8:21	16.66	16.2	61.2	7.04	525.6	3.28	9.42	138.6

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G209	11/16/2023	14:33	16.24	16.3	61.3	7.04	1,216.7	2.93	13.02	61.6
G209	11/16/2023	14:36	16.24	16.4	61.5	7.01	1,213.8	1.74	6.90	1.7
G209	11/16/2023	14:39	16.24	16.3	61.3	7.00	1,212.9	1.52	4.71	-22.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G210	11/16/2023	14:12	15.82	16.4	61.5	7.32	851.3	1.97	23.81	93.4
G210	11/16/2023	14:15	15.82	16.3	61.3	7.30	849.9	1.43	19.50	91.3
G210	11/16/2023	14:18	15.82	16.2	61.2	7.29	848.3	1.16	13.88	89.4
G210	11/16/2023	14:21	15.82	16.3	61.3	7.29	848.2	1.05	11.03	87.5

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G211	11/16/2023	13:38	15.61	16.9	62.4	7.26	788.1	1.28	35.54	25.4
G211	11/16/2023	13:41	15.61	16.8	62.2	7.25	787.3	1.09	28.15	32.4
G211	11/16/2023	13:44	15.61	16.8	62.2	7.25	786.5	0.98	22.72	37.2
G211	11/16/2023	13:47	15.61	16.8	62.2	7.26	786.0	0.89	20.65	40.6
G211	11/16/2023	13:50	15.61	16.9	62.4	7.26	785.1	0.87	17.85	43.1
G211	11/16/2023	13:53	15.61	17.2	63.0	7.26	786.9	0.86	18.68	43.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G211	12/6/2023	10:58	15.94	15.6	60.0	6.91	1,017.6	1.18	25.63	121.2
G211	12/6/2023	11:01	15.94	15.6	60.0	6.93	1,017.7	1.14	20.01	119.0
G211	12/6/2023	11:04	15.94	15.3	59.6	6.95	1,019.1	1.12	17.44	117.3
G211	12/6/2023	11:07	15.94	15.2	59.4	6.96	1,016.9	1.09	15.56	115.9
G211	12/6/2023	11:10	15.94	15.2	59.4	6.97	1,016.0	1.06	12.80	114.7
G211	12/6/2023	11:13	15.94	15.3	59.5	6.98	1,016.0	1.03	11.29	113.7
G211	12/6/2023	11:16	15.94	15.2	59.4	6.99	1,018.6	0.98	9.31	112.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G212	11/16/2023	13:06	16.92	17.2	63.0	7.38	675.5	6.06	7.01	101.4
G212	11/16/2023	13:09	16.92	17.0	62.6	7.19	680.5	3.10	7.21	103.3
G212	11/16/2023	13:12	16.92	16.8	62.2	7.15	680.4	2.36	6.74	102.3

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G213	11/16/2023	12:36	17.41	16.7	62.1	7.09	658.0	1.37	19.33	91.5
G213	11/16/2023	12:39	17.41	16.7	62.1	7.08	659.3	1.10	19.30	89.2
G213	11/16/2023	12:42	17.41	16.7	62.1	7.09	659.5	0.98	63.05	86.8
G213	11/16/2023	12:45	17.41	16.6	61.9	7.09	660.5	0.90	10.10	85.1
G213	11/16/2023	12:48	17.41	16.5	61.7	7.09	661.7	0.84	6.19	83.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G214	11/16/2023	12:12	19.35	16.8	62.2	7.18	973.9	3.86	23.10	84.2
G214	11/16/2023	12:15	19.35	16.8	62.2	7.12	934.5	2.86	14.03	83.3
G214	11/16/2023	12:18	19.35	16.8	62.2	7.12	923.5	2.38	8.33	82.1

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G215	11/16/2023	11:43	19.03	17.1	62.8	6.95	1,768.5	1.93	39.55	-7.7
G215	11/16/2023	11:46	19.03	17.2	63.0	6.94	1,771.1	1.71	25.21	-9.8
G215	11/16/2023	11:49	19.03	17.2	63.0	6.94	1,769.8	1.60	25.70	-11.4
G215	11/16/2023	11:52	19.03	17.3	63.1	6.94	1,767.7	1.53	26.69	-11.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G216	11/16/2023	11:11	18.21	16.4	61.5	6.94	2,136.7	3.19	35.55	-63.6
G216	11/16/2023	11:14	18.21	16.3	61.3	6.92	2,132.7	2.99	19.59	-57.8
G216	11/16/2023	11:17	18.21	16.3	61.3	6.92	2,126.8	2.74	13.54	-55.7
G216	11/16/2023	11:20	18.21	16.4	61.5	6.92	2,125.6	2.95	13.72	-53.8

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217	11/16/2023	10:33	19.68	16.1	61.0	6.89	1,476.7	1.54	25.77	31.9
G217	11/16/2023	10:34	19.68	16.1	61.0	6.89	1,477.3	1.23	22.81	27.8
G217	11/16/2023	10:37	19.68	16.1	61.0	6.88	1,478.5	0.98	17.20	22.4
G217	11/16/2023	10:40	19.68	16.1	61.0	6.88	1,478.6	0.84	14.66	17.6
G217	11/16/2023	10:43	19.68	16.1	61.0	6.88	1,478.6	0.75	11.29	15.5

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G218	11/16/2023	10:04	18.67	15.8	60.4	6.79	1,530.9	0.80	26.69	18.2
G218	11/16/2023	10:07	18.67	15.8	60.4	6.81	1,533.0	0.72	24.87	7.7
G218	11/16/2023	10:10	18.67	15.8	60.4	6.83	1,532.5	0.66	21.94	0.5
G218	11/16/2023	10:13	18.67	15.8	60.4	6.84	1,531.8	0.63	20.47	-4.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G270	11/17/2023	9:04	10.90	15.1	59.2	7.22	693.3	4.44	18.20	98.1
G270	11/17/2023	9:07	10.90	15.1	59.2	7.16	693.4	2.80	12.65	98.5
G270	11/17/2023	9:10	10.90	15.1	59.2	7.13	691.0	2.22	10.81	97.9
G270	11/17/2023	9:13	10.90	15.2	59.4	7.12	688.8	1.91	9.98	97.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G271	11/17/2023	9:30	13.00	16.2	61.2	7.35	1,002.7	5.87	6.77	109.2
G271	11/17/2023	9:33	13.00	16.3	61.3	7.32	858.1	5.48	7.98	109.9
G271	11/17/2023	9:36	13.00	16.4	61.5	7.28	854.3	5.15	7.98	111.5
G271	11/17/2023	9:39	13.00	16.3	61.3	7.23	881.3	4.07	8.11	112.8
G271	11/17/2023	9:42	13.00	16.3	61.3	7.18	919.5	2.89	7.14	113.2

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G272	11/17/2023	10:04	12.01	15.9	60.6	7.20	1,373.9	4.45	35.97	120.9
G272	11/17/2023	10:07	12.01	15.4	59.7	7.16	1,381.9	3.70	32.60	122.0
G272	11/17/2023	10:10	12.01	15.0	59.0	7.16	1,354.0	3.43	25.94	121.8
G272	11/17/2023	10:13	12.01	14.8	58.6	7.17	1,319.0	3.44	17.96	121.2
G272	11/17/2023	10:16	12.01	14.8	58.6	7.17	1,286.9	3.46	12.25	120.8
G272	11/17/2023	10:19	12.01	14.8	58.6	7.18	1,270.8	3.42	8.75	120.4

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G273	11/17/2023	10:31	12.71	16.0	60.8	7.27	1,433.5	6.07	10.87	121.4
G273	11/17/2023	10:34	12.71	16.3	61.3	7.08	1,359.1	2.59	11.56	126.0
G273	11/17/2023	10:37	12.71	16.4	61.5	7.05	1,349.7	1.60	8.19	125.3

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G274	11/17/2023	10:54	15.77	16.1	61.0	7.23	970.0	3.68	14.70	121.5
G274	11/17/2023	10:57	15.77	15.6	60.1	7.15	971.2	2.36	10.50	124.6
G274	11/17/2023	11:00	15.77	15.6	60.1	7.08	1,086.9	1.68	8.07	126.0

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275	Dry- No Sample									

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275D	12/7/2023	9:04	39.56	13.3	56.0	6.70	1,807.8	3.13	6.19	137.6
G275D	12/7/2023	9:07	39.56	12.9	55.3	6.80	1,817.1	1.95	11.35	116.2
G275D	12/7/2023	9:10	39.56	12.9	55.3	6.89	1,821.3	1.47	16.55	83.5
G275D	12/7/2023	9:13	39.56	12.9	55.2	6.96	1,823.2	1.23	16.93	42.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G276	11/17/2023	11:26	28.59	15.2	59.4	6.95	1,265.1	5.76	8.51	134.4
G276	11/17/2023	11:29	28.59	15.2	59.4	6.93	1,262.9	4.96	12.82	135.1
G276	11/17/2023	11:32	28.59	15.1	59.2	6.93	1,261.5	4.64	14.56	134.5
G276	11/17/2023	11:34	28.59	15.0	59.0	6.93	1,259.0	4.33	13.17	134.0

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G277	Dry- No Sample									

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G278	11/20/2023	9:25	24.23	15.8	60.4	6.77	4,640.7	2.17	19.80	125.2
G278	11/20/2023	9:28	24.23	16.1	61.0	6.77	4,539.1	1.55	11.60	126.7
G278	11/20/2023	9:31	24.23	16.2	61.2	6.78	4,574.2	1.28	9.80	126.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G279	11/17/2023	11:57	23.39	16.5	61.7	6.80	6,160.9	4.08	9.12	138.9
G279	11/17/2023	12:00	23.39	16.5	61.7	6.75	5,946.7	1.91	9.44	142.7
G279	11/17/2023	12:03	23.39	16.8	62.2	6.76	5,637.0	1.41	7.29	140.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G280	11/20/2023	9:44	8.91	14.9	58.8	7.64	909.6	6.51	6.49	98.0
G280	11/20/2023	9:47	8.91	14.7	58.5	7.46	857.1	2.93	7.72	104.3
G280	11/20/2023	9:50	8.91	14.7	58.5	7.39	849.2	1.79	7.89	106.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G281	11/20/2023	8:50	8.59	15.8	60.4	6.96	1,260.9	3.36	13.13	103.7
G281	11/20/2023	8:53	8.59	16.0	60.8	6.90	1,255.0	1.81	14.90	109.9
G281	11/20/2023	8:56	8.59	16.1	61.0	6.90	1,254.0	1.54	9.45	111.8

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G283	11/20/2023	10:19	7.22	12.9	55.2	7.10	1,187.6	3.06	52.58	126.7
G283	11/20/2023	10:22	7.22	12.7	54.9	7.07	1,187.5	2.50	39.82	125.6
G283	11/20/2023	10:25	7.22	12.6	54.7	7.06	1,188.3	2.19	36.24	122.0
G283	11/20/2023	10:28	7.22	12.6	54.7	7.05	1,187.5	1.96	29.43	114.2
G283	11/20/2023	10:31	7.22	12.7	54.9	7.04	1,187.9	1.81	26.08	102.0
G283	11/20/2023	10:34	7.22	12.6	54.7	7.04	1,188.8	1.72	23.55	88.5

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G284	Dry- No Sample									

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G285	11/20/2023	10:56	9.38	13.2	55.8	6.77	1,937.2	4.75	12.74	127.5
G285	11/20/2023	10:59	9.38	12.8	55.0	6.73	1,949.2	3.39	18.78	123.1
G285	11/20/2023	11:02	9.38	12.0	53.6	6.71	1,949.5	3.14	20.29	117.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G286	11/13/2023	12:46								

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G288	11/13/2023	12:49	9.84							

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301	11/20/2023	10:27	8.25	15.4	59.7	6.48	1,173.7	1.90	21.40	-83.1
G301	11/20/2023	10:30	8.25	15.5	59.9	6.46	1,171.9	1.57	13.72	-75.0
G301	11/20/2023	10:33	8.25	15.4	59.7	6.45	1,170.4	1.36	8.94	-67.0
G301	11/20/2023	10:36	8.25	15.4	59.7	6.44	1,170.0	1.18	6.71	-68.1
G301	11/20/2023	10:39	8.25	15.5	59.9	6.43	1,167.9	1.06	5.92	-60.6
G301	11/20/2023	10:42	8.25	15.5	59.9	6.43	1,167.1	1.01	4.98	-48.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G302	11/20/2023	12:13	12.73	15.4	59.7	6.52	1,394.2	1.16	55.73	-98.3
G302	11/20/2023	12:16	12.73	15.4	59.7	6.50	1,385.1	1.00	31.78	-90.0
G302	11/20/2023	12:19	12.73	15.4	59.7	6.50	1,379.7	0.90	20.98	-84.0
G302	11/20/2023	12:22	12.73	15.4	59.7	6.50	1,377.3	0.84	15.08	-80.6

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G303	11/21/2023	11:19	8.90	14.1	57.4	6.63	1,943.6	2.53	39.97	-32.3
G303	11/21/2023	11:22	8.90	14.0	57.2	6.64	1,939.3	2.63	42.29	-29.7
G303	11/21/2023	11:25	8.90	14.0	57.2	6.64	1,937.6	2.58	27.57	-28.3
G303	11/21/2023	11:28	8.90	14.0	57.2	6.63	1,945.3	2.52	26.96	-27.8

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G305	11/17/2023	10:46	9.25	15.1	59.2	6.92	1,781.1	1.00	18.26	14.5
G305	11/17/2023	10:49	9.25	15.1	59.2	6.92	1,781.0	0.87	13.21	13.9
G305	11/17/2023	10:52	9.25	15.1	59.2	6.92	1,781.7	0.79	12.22	12.7
G305	11/17/2023	10:55	9.25	15.1	59.2	6.91	1,780.7	0.73	10.90	12.0

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G306	11/17/2023	12:20	9.84	15.3	59.5	6.24	825.6	1.82	70.20	58.4
G306	11/17/2023	12:23	9.84	15.3	59.5	6.20	805.5	1.81	40.12	61.4
G306	11/17/2023	12:26	9.84	15.3	59.5	6.18	785.5	1.83	31.14	64.4

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307	11/21/2023	9:28	1.33	12.9	55.2	6.85	1,192.6	3.84	29.94	104.1
G307	11/21/2023	9:31	1.33	13.1	55.6	6.85	1,187.5	3.64	26.06	102.8
G307	11/21/2023	9:34	1.33	13.1	55.6	6.86	1,185.6	3.56	23.63	101.7
G307	11/21/2023	9:37	1.33	13.2	55.8	6.85	1,184.2	3.41	22.01	100.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307D	11/17/2023	11:29	11.72	15.6	60.1	6.97	1,464.6	1.01	38.57	-82.8
G307D	11/17/2023	11:32	11.72	15.5	59.9	6.99	1,465.2	0.88	49.02	-92.7
G307D	11/17/2023	11:35	11.72	15.4	59.7	6.99	1,466.4	0.82	43.76	-97.9
G307D	11/17/2023	11:38	11.72	15.4	59.7	6.99	1,466.9	0.79	53.44	-100.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G308	11/17/2023	10:02	5.82	16.0	60.8	6.91	1,871.6	1.28	12.21	12.5
G308	11/17/2023	10:05	5.82	16.0	60.8	6.90	1,872.6	1.03	11.00	8.2
G308	11/17/2023	10:08	5.82	16.0	60.8	6.89	1,872.5	0.90	9.36	6.0
G308	11/17/2023	10:11	5.82	16.0	60.8	6.89	1,872.4	0.81	7.41	5.1

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G309	11/13/2023	10:51	8.32							

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G310	11/20/2023	9:40	10.63	15.7	60.3	6.80	1,390.0	1.44	6.49	96.6
G310	11/20/2023	9:43	10.63	15.7	60.3	6.81	1,389.7	1.27	5.29	92.5
G310	11/20/2023	9:46	10.63	15.7	60.3	6.83	1,388.5	1.15	3.80	88.9
G310	11/20/2023	9:49	10.63	15.7	60.3	6.83	1,388.8	1.06	2.93	85.8

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G312	Dry- No Sample									

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G313	11/20/2023	13:55	3.13	15.8	60.4	6.68	1,728.8	1.27	13.65	1.3
G313	11/20/2023	13:58	3.13	15.8	60.4	6.67	1,729.3	1.06	10.07	3.2
G313	11/20/2023	14:01	3.13	15.9	60.6	6.67	1,730.6	0.94	8.66	4.9
G313	11/20/2023	14:04	3.13	15.9	60.6	6.67	1,730.7	0.86	6.44	6.3

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314	11/20/2023	15:18	5.88	15.3	59.5	6.35	3,331.3	1.02	11.13	-38.8
G314	11/20/2023	15:21	5.88	15.1	59.2	6.45	3,272.8	1.27	9.89	-36.2
G314	11/20/2023	15:24	5.88	15.1	59.2	6.51	3,239.1	1.67	7.19	-33.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314D	11/20/2023	14:40	8.05	14.5	58.1	6.73	2,661.3	1.04	18.63	-49.0
G314D	11/20/2023	14:43	8.05	14.5	58.1	6.73	2,660.3	0.92	15.74	-50.6
G314D	11/20/2023	14:46	8.05	14.4	57.9	6.73	2,661.2	0.84	17.52	-52.2
G314D	11/20/2023	14:49	8.05	14.4	57.9	6.73	2,661.2	0.79	15.71	-53.6

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G315	11/21/2023	10:28	2.93	14.0	57.2	6.55	1,378.5	1.96	5.76	105.0
G315	11/21/2023	10:31	2.93	14.0	57.2	6.54	1,377.7	1.72	5.99	103.5
G315	11/21/2023	10:34	2.93	14.0	57.2	6.54	1,377.6	1.54	4.64	102.0
G315	11/21/2023	10:37	2.93	14.0	57.2	6.54	1,376.9	1.43	4.27	100.5

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G316	11/20/2023	13:12	12.48	15.0	59.0	6.78	1,862.6	1.41	3.10	-113.4
G316	11/20/2023	13:15	12.48	15.0	59.0	6.77	1,875.4	1.24	1.81	-115.3
G316	11/20/2023	13:18	12.48	15.0	59.0	6.76	1,888.0	1.10	1.54	-116.0
G316	11/20/2023	13:21	12.48	15.0	59.0	6.76	1,893.4	1.00	1.41	-117.1

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G317	11/13/2023	12:55								

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G401	11/21/2023	9:15	13.63	13.4	56.1	5.88	2,830.8	1.50	35.57	13.7
G401	11/21/2023	9:18	13.63	13.4	56.1	5.88	2,821.4	1.30	26.18	14.4
G401	11/21/2023	9:21	13.63	13.2	55.8	5.89	2,829.6	1.20	28.47	14.5
G401	11/21/2023	9:24	13.63	12.9	55.2	5.89	2,830.7	1.13	28.02	14.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G402	11/21/2023	8:28	11.71	15.1	59.2	6.31	1,535.2	6.03	19.81	183.5
G402	11/21/2023	8:31	11.71	15.0	59.0	6.52	1,578.9	3.36	21.44	168.2
G402	11/21/2023	8:34	11.71	15.0	59.0	6.60	1,580.3	3.01	23.12	161.8
G402	11/21/2023	8:37	11.71	15.0	59.0	6.66	1,578.9	3.40	21.11	157.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G403	11/20/2023	11:35	8.27	15.0	59.0	7.04	692.6	2.28	12.76	111.7
G403	11/20/2023	11:38	8.27	15.1	59.2	6.94	687.0	1.53	8.74	112.6
G403	11/20/2023	11:41	8.27	15.1	59.2	6.90	684.6	1.22	4.18	112.4

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G404	11/21/2023	9:58	6.48	14.6	58.3	6.69	2,149.5	3.47	31.63	63.9
G404	11/21/2023	10:01	6.48	14.2	57.6	6.70	2,130.3	2.52	20.63	72.0
G404	11/21/2023	10:04	6.48	14.0	57.2	6.68	2,078.6	2.19	11.74	78.9
G404	11/21/2023	10:07	6.48	13.7	56.7	6.67	2,027.5	2.09	8.10	84.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G405	11/21/2023	10:26	7.73	14.6	58.3	7.17	1,718.3	5.79	9.78	88.3
G405	11/21/2023	10:29	7.73	15.0	59.0	7.01	1,747.4	3.87	6.07	85.5
G405	11/21/2023	10:32	7.73	15.3	59.5	6.95	1,837.0	3.08	5.50	75.5

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G406	11/20/2023	13:14	13.83	15.7	60.3	7.01	1,218.6	6.86	6.82	111.2
G406	11/20/2023	13:17	13.83	15.5	59.9	6.66	1,215.0	3.17	6.14	124.9
G406	11/20/2023	13:20	13.83	15.7	60.3	6.59	1,206.3	1.81	3.02	127.4

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G407	11/20/2023	12:09	8.31	14.6	58.3	6.54	2,910.1	6.20	13.64	148.5
G407	11/20/2023	12:12	8.31	14.5	58.1	6.50	3,125.0	2.81	16.09	140.5
G407	11/20/2023	12:15	8.31	14.3	57.7	6.55	3,057.3	1.86	13.43	129.0
G407	11/20/2023	12:18	8.31	14.2	57.6	6.57	2,982.8	1.56	10.49	124.2

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G410	11/20/2023	12:44	10.68	15.3	59.5	6.88	1,318.9	1.97	20.12	57.0
G410	11/20/2023	12:47	10.68	15.4	59.7	6.81	1,230.7	1.42	8.73	33.9
G410	11/20/2023	12:50	10.68	15.3	59.5	6.77	1,211.1	1.18	5.06	28.2

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G411	11/20/2023	13:44	11.20	14.9	58.8	7.35	956.7	3.21	15.61	114.9
G411	11/20/2023	13:47	11.20	14.7	58.5	7.30	883.8	2.00	9.58	115.5
G411	11/20/2023	13:50	11.20	14.6	58.3	7.28	896.2	1.53	5.72	115.5

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1001	11/14/2023	11:21	6.49	17.8	64.0	6.99	1,526.9	3.49	39.67	-46.8
G1001	11/14/2023	11:24	6.49	17.7	63.9	7.03	1,457.7	3.77	30.87	-43.4
G1001	11/14/2023	11:27	6.49	17.3	63.1	7.07	1,371.0	3.80	15.82	-39.2
G1001	11/14/2023	11:30	6.49	16.9	62.4	7.04	1,298.5	2.88	15.66	-20.6
G1001	11/14/2023	11:33	6.49	16.7	62.1	7.00	1,259.0	2.02	11.36	-7.1
G1001	11/14/2023	11:36	6.49	16.7	62.1	6.97	1,220.2	1.59	10.35	0.3

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1003	11/13/2023	10:20								

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L202	11/16/2023	13:38	22.00	20.9	69.6	11.57	15,796.2	6.41	15.47	-92.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW03D	11/13/2023	9:57	32.01							

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW12D	11/13/2023	10:41	15.64							

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
MW20S	11/13/2023	9:54	11.96							

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
NW Riser	Unable to collect elevation (no tra									

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R104	11/14/2023	14:34	12.91	16.8	62.2	7.43	785.3	2.90	14.76	-38.5
R104	11/14/2023	14:37	12.91	17.0	62.6	7.39	770.7	3.21	6.63	-29.9
R104	11/14/2023	14:40	12.91	17.1	62.8	7.41	765.9	3.62	3.74	-21.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201	11/14/2023	10:28	11.73	15.7	60.3	6.97	1,172.0	1.24	23.44	-94.1
R201	11/14/2023	10:31	11.73	15.7	60.3	6.99	1,158.8	0.99	15.82	-95.4
R201	11/14/2023	10:34	11.73	15.8	60.4	6.99	1,160.6	0.84	13.17	-96.6
R201	11/14/2023	10:37	11.73	16.0	60.8	6.99	1,157.1	0.75	13.87	-96.6

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R205	11/20/2023	14:24	11.48	14.5	58.1	6.76	1,385.0	1.55	54.07	131.7
R205	11/20/2023	14:27	11.48	14.5	58.1	6.76	1,387.4	1.28	37.24	130.7
R205	11/20/2023	14:30	11.48	14.5	58.1	6.76	1,391.7	1.18	30.99	129.7
R205	11/20/2023	14:33	11.48	14.4	57.9	6.77	1,393.3	1.05	26.72	128.7
R205	11/20/2023	14:36	11.48	14.6	58.3	6.77	1,391.8	1.00	23.73	127.7
R205	11/20/2023	14:39	11.48	14.6	58.3	6.77	1,393.0	0.98	24.11	126.8

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-02	11/13/2023	14:03	7.36							

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-03	11/13/2023	13:53	9.71							

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-04	11/13/2023	14:21	6.32							

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T127	11/15/2023	10:31	15.95	17.3	63.1	7.12	788.3	2.68	214.38	98.3
T127	11/15/2023	10:34	15.95	17.6	63.7	7.11	785.6	2.41	168.93	98.5
T127	11/15/2023	10:37	15.95	17.6	63.7	7.10	784.9	2.14	120.74	97.9
T127	11/15/2023	10:40	15.95	17.8	64.0	7.10	784.2	2.08	113.87	97.3
T127	11/15/2023	10:43	15.95	17.9	64.2	7.10	783.8	2.06	97.36	96.5
T127	11/15/2023	10:46	15.95	17.9	64.2	7.10	784.7	1.92	75.93	95.4
T127	11/15/2023	10:49	15.95	18.0	64.4	7.10	785.7	1.66	52.11	93.8
T127	11/15/2023	10:52	15.95	18.0	64.4	7.10	784.4	1.44	53.59	92.1

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T128	11/15/2023	10:05	15.50	16.7	62.1	7.06	729.9	2.91	3.22	111.5
T128	11/15/2023	10:08	15.50	16.8	62.2	7.00	728.0	1.90	3.31	100.3
T128	11/15/2023	10:11	15.50	16.9	62.4	6.99	725.6	1.48	3.18	96.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
X201	11/20/2023	14:08	34.00	12.7	54.9	6.63	22,523.7	9.63	5.23	140.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01	11/17/2023	9:30	6.28	18.4	65.1	7.14	1,311.8	1.51	26.25	-76.8
XPW01	11/17/2023	9:33	6.28	18.4	65.1	7.14	1,313.3	1.36	8.59	-71.4
XPW01	11/17/2023	9:36	6.28	18.4	65.1	7.14	1,314.7	1.31	4.14	-73.8
XPW01	11/17/2023	9:39	6.28	18.4	65.1	7.14	1,314.9	1.20	24.81	-83.1

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW02	11/17/2023	8:53	11.13	19.5	67.1	7.54	783.8	1.70	4.88	-35.8
XPW02	11/17/2023	8:56	11.13	19.5	67.1	7.56	785.5	1.48	5.31	-74.6
XPW02	11/17/2023	8:59	11.13	19.5	67.1	7.58	788.8	1.38	5.47	-94.2
XPW02	11/17/2023	9:02	11.13	19.5	67.1	7.60	790.2	1.32	3.86	-106.8

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	11/13/2023	13:16	10.38							

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	11/21/2023	10:36								

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102 Duplicate	11/14/2023	15:31	12.84	16.4	61.5	7.31	887.2	1.11	34.34	24.9
G102 Duplicate	11/14/2023	15:34	12.84	16.4	61.5	7.30	883.5	0.90	29.22	20.2
G102 Duplicate	11/14/2023	15:37	12.84	16.4	61.5	7.30	881.0	0.78	26.48	17.9

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200 Duplicate	11/14/2023	9:55	11.88	15.7	60.3	7.16	792.8	0.98	105.29	98.4
G200 Duplicate	11/14/2023	9:58	11.88	15.7	60.3	7.16	792.8	1.00	103.48	97.2
G200 Duplicate	11/14/2023	10:01	11.88	16.0	60.8	7.16	793.4	0.98	101.80	96.6

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G273 Duplicate	11/17/2023	10:31	12.71	16.0	60.8	7.27	1,433.5	6.07	10.87	121.4
G273 Duplicate	11/17/2023	10:34	12.71	16.3	61.3	7.08	1,359.1	2.59	11.56	126.0
G273 Duplicate	11/17/2023	10:37	12.71	16.4	61.5	7.05	1,349.7	1.60	8.19	125.3

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301 Duplicate	11/20/2023	10:27	8.25	15.4	59.7	6.48	1,173.7	1.90	21.40	-83.1
G301 Duplicate	11/20/2023	10:30	8.25	15.5	59.9	6.46	1,171.9	1.57	13.72	-75.0
G301 Duplicate	11/20/2023	10:33	8.25	15.4	59.7	6.45	1,170.4	1.36	8.94	-67.0
G301 Duplicate	11/20/2023	10:36	8.25	15.4	59.7	6.44	1,170.0	1.18	6.71	-68.1
G301 Duplicate	11/20/2023	10:39	8.25	15.5	59.9	6.43	1,167.9	1.06	5.92	-60.6
G301 Duplicate	11/20/2023	10:42	8.25	15.5	59.9	6.43	1,167.1	1.01	4.98	-48.7

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Groundwater Sampling Field Form- Groundwater Quality Parameters
Coffeen- 4Q 2023

Well ID	Date	Time	DTW	Temp (deg C)	Temp (deg F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201 Duplicate	11/14/2023	10:28	11.73	15.7	60.3	6.97	1,172.0	1.24	23.44	-94.1
R201 Duplicate	11/14/2023	10:31	11.73	15.7	60.3	6.99	1,158.8	0.99	15.82	-95.4
R201 Duplicate	11/14/2023	10:34	11.73	15.8	60.4	6.99	1,160.6	0.84	13.17	-96.6
R201 Duplicate	11/14/2023	10:37	11.73	16.0	60.8	6.99	1,157.1	0.75	13.87	-96.6

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Coffeen- 4Q 2023

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: 29218
Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.01	11/14/23 8:14
7.0 Buffer	wc230616f	7.03	11/14/23 8:19
10.0 Buffer	wc231027d	9.99	11/14/23 8:25
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1415	11/14/23 8:30

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/14/23 8:42	18.1	7.03	1424	
CCV	11/14/23 16:15	19.8	7.05	1476	

Field Meter ID: 29218
Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.00	11/15/23 8:13
7.0 Buffer	wc230616f	7.02	11/15/23 8:18
10.0 Buffer	wc231027d	10.01	11/15/23 8:23
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1413	11/15/23 8:28

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/15/23 8:34	17.6	7.04	1416	
CCV	11/15/23 14:48	19.8	7.04	1468	

Field Meter ID: 29218
Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.02	11/16/23 9:23
7.0 Buffer	wc230616f	7.01	11/16/23 9:28
10.0 Buffer	wc231027d	9.98	11/16/23 9:33
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1429	11/16/23 9:38

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/16/23 9:43	17.6	7.03	1432	
CCV	11/16/23 14:49	19.4	7.03	1444	

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Coffeen- 4Q 2023

Field Meter ID: 29218
Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.00	11/17/23 7:48
7.0 Buffer	wc230616f	7.01	11/17/23 7:53
10.0 Buffer	wc231027d	10.00	11/17/23 7:58
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1417	11/17/23 8:03

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/17/23 8:08	18	7.02	1434	
CCV	11/17/23 12:33	19	7.03	1451	

Field Meter ID: 29218
Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.00	11/20/23 7:46
7.0 Buffer	wc230616f	7.01	11/20/23 7:51
10.0 Buffer	wc231027d	9.98	11/20/23 7:56
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1414	11/20/23 8:01

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/20/23 8:06	17.6	7.02	1428	
CCV	11/20/23 14:54	18.2	7.04	1467	

Field Meter ID: 29218
Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.01	11/21/23 8:04
7.0 Buffer	wc230616f	7.01	11/21/23 8:09
10.0 Buffer	wc231027d	9.99	11/21/23 8:14
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1421	11/21/23 8:19

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/21/23 8:24	15.3	7.03	1443	
CCV	11/21/23 10:37	17.8	7.03	1455	

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Coffeen- 4Q 2023

Field Meter ID: 29218
Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.01	12/6/23 10:33
7.0 Buffer	wc230616f	7.00	12/6/23 10:38
10.0 Buffer	wc231027d	9.99	12/6/23 10:43
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1413	12/6/23 10:48

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	12/6/23 10:52	16.4	7.01	1418	
CCV	12/6/23 11:19	17.2	7.03	1435	

Field Meter ID: 29218
Technician: Justin Colp

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230720g	4.01	12/7/23 8:46
7.0 Buffer	wc230616f	7.00	12/7/23 8:51
10.0 Buffer	wc231027d	10.03	12/7/23 8:55
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1422	12/7/23 9:00

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	12/7/23 9:03	14.9	7.02	1429	
CCV	12/7/23 10:28	15.7	7.04	1452	

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Coffeen- 4Q 2023

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 51290
Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	11/16/23 12:21
7.0 Buffer	WC230616F	7.04	11/16/23 12:24
10.0 Buffer	WC231027D	10.00	11/16/23 12:27
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1412	11/16/23 12:32

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/16/23 12:35	17.4	7.06	1412	
CCV	11/16/23 15:20	20.5	7.08	1455	

Field Meter ID: Pine 51290
Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	11/17/23 8:41
7.0 Buffer	WC230616F	7.02	11/17/23 8:42
10.0 Buffer	WC231027D	10.01	11/17/23 8:44
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1412	11/17/23 8:44

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/17/23 8:45	17	7.03	1413	
CCV	11/17/23 14:11	21.2	7.05	1463	

Field Meter ID: Pine 51290
Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.02	11/20/23 9:13
7.0 Buffer	WC230616F	7.05	11/20/23 9:16
10.0 Buffer	WC231027D	1002.00	11/20/23 9:17
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1412	11/20/23 9:17

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/20/23 9:18	12.2	7.06	1413	
CCV	11/20/23 15:31	17.1	6.96	1458	

Site Samping Event: Coffeen 4Q 2023
LIMS Workorder: 23110002
Technician(s): DC, JC, TC, BG

Field Calibration Log(s)
Coffeen- 4Q 2023

Field Meter ID: Pine 51290
Technician: Tracy Carroll

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230720G	4.00	11/21/23 8:32
7.0 Buffer	WC230616F	7.00	11/21/23 8:33
10.0 Buffer	WC231027D	10.00	11/21/23 8:35
LCS (7.0 Buffer)	WC230504B		

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.	87241	1413	11/21/23 8:30

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS	11/21/23 8:37	12.7	6.98	1413	
CCV	11/21/23 11:31	15.2	6.93	1465	

Field Meter ID:
Technician:

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.			

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS					
CCV					

Field Meter ID:
Technician:

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer			
7.0 Buffer			
10.0 Buffer			
LCS (7.0 Buffer)			

Conductivity Standard	LIMS ID/Lot#	Reading	Date/Time
1412 µS Std.			

Sample ID	Date/Time	Temp. °C	pH	Conductivity µS	Comments
LCS					
CCV					

ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 4, 2023

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G206	UA	E003	Antimony, total	mg/L	11/18/15 - 11/15/23	21	100	All ND - Last	0.001	0.003
G206	UA	E003	Arsenic, total	mg/L	11/18/15 - 11/15/23	21	68	CI around median	0.001	0.0110
G206	UA	E003	Barium, total	mg/L	11/18/15 - 11/15/23	21	3	CI around mean	0.0474	0.130
G206	UA	E003	Beryllium, total	mg/L	11/18/15 - 11/15/23	21	100	All ND - Last	0.001	0.001
G206	UA	E003	Boron, total	mg/L	11/18/15 - 11/15/23	28	78	CI around median	0.01	0.110
G206	UA	E003	Cadmium, total	mg/L	11/18/15 - 11/15/23	21	100	All ND - Last	0.001	0.001
G206	UA	E003	Chloride, total	mg/L	11/18/15 - 11/15/23	28	0	CB around linear reg	18.6	94.9
G206	UA	E003	Chromium, total	mg/L	11/18/15 - 11/15/23	21	85	CB around T-S line	0.00381	0.00960
G206	UA	E003	Cobalt, total	mg/L	11/18/15 - 11/15/23	21	97	CI around median	0.002	0.00370
G206	UA	E003	Fluoride, total	mg/L	11/18/15 - 11/15/23	29	5	CI around mean	0.384	0.552
G206	UA	E003	Lead, total	mg/L	11/18/15 - 11/15/23	21	93	CI around median	0.001	0.00590
G206	UA	E003	Lithium, total	mg/L	11/18/15 - 11/15/23	14	100	All ND - Last	0.003	0.02
G206	UA	E003	Mercury, total	mg/L	11/18/15 - 11/15/23	21	100	All ND - Last	0.0002	0.00110
G206	UA	E003	Molybdenum, total	mg/L	11/18/15 - 11/15/23	21	65	CI around median	0.001	0.0440
G206	UA	E003	pH (field)	SU	11/18/15 - 11/15/23	30	0	CI around median	7.0/7.2	6.8/7.4
G206	UA	E003	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 11/15/23	14	0	CI around mean	0.432	1.48
G206	UA	E003	Selenium, total	mg/L	11/18/15 - 11/15/23	21	82	CI around median	0.001	0.00350
G206	UA	E003	Sulfate, total	mg/L	11/18/15 - 11/15/23	28	0	CI around mean	122	387
G206	UA	E003	Thallium, total	mg/L	11/18/15 - 11/15/23	21	100	All ND - Last	0.002	0.001
G206	UA	E003	Total Dissolved Solids	mg/L	11/18/15 - 11/15/23	28	0	CB around T-S line	469	975
G206D	DA	E003	Antimony, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.001	0.003
G206D	DA	E003	Arsenic, total	mg/L	03/30/21 - 11/17/23	9	0	CI around mean	0.00289	0.0110
G206D	DA	E003	Barium, total	mg/L	03/30/21 - 11/17/23	9	0	CI around mean	0.0957	0.130
G206D	DA	E003	Beryllium, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.001	0.001
G206D	DA	E003	Boron, total	mg/L	03/30/21 - 11/17/23	9	0	CI around mean	0.113	0.110
G206D	DA	E003	Cadmium, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.001	0.001
G206D	DA	E003	Chloride, total	mg/L	03/30/21 - 11/17/23	9	0	CB around linear reg	3.76	94.9

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 4, 2023
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G206D	DA	E003	Chromium, total	mg/L	03/30/21 - 11/17/23	9	89	CB around T-S line	-0.00466	0.00960
G206D	DA	E003	Cobalt, total	mg/L	03/30/21 - 11/17/23	9	89	CB around T-S line	-0.000166	0.00370
G206D	DA	E003	Fluoride, total	mg/L	03/30/21 - 11/17/23	9	0	CB around linear reg	0.693	0.552
G206D	DA	E003	Lead, total	mg/L	03/30/21 - 11/17/23	9	78	CI around median	0.001	0.00590
G206D	DA	E003	Lithium, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.003	0.02
G206D	DA	E003	Mercury, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.0002	0.00110
G206D	DA	E003	Molybdenum, total	mg/L	03/30/21 - 11/17/23	9	0	CB around linear reg	0.00885	0.0440
G206D	DA	E003	pH (field)	SU	03/30/21 - 11/17/23	9	0	CI around mean	7.0/7.4	6.8/7.4
G206D	DA	E003	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 11/17/23	10	0	CI around mean	0.221	1.48
G206D	DA	E003	Selenium, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.001	0.00350
G206D	DA	E003	Sulfate, total	mg/L	03/30/21 - 11/17/23	9	0	CB around linear reg	-114	387
G206D	DA	E003	Thallium, total	mg/L	03/30/21 - 11/17/23	9	100	All ND - Last	0.002	0.001
G206D	DA	E003	Total Dissolved Solids	mg/L	03/30/21 - 11/17/23	9	0	CI around mean	715	975
G209	UA	E003	Antimony, total	mg/L	11/18/15 - 11/16/23	21	97	CI around median	0.003	0.003
G209	UA	E003	Arsenic, total	mg/L	11/18/15 - 11/16/23	21	43	CI around geomean	0.00113	0.0110
G209	UA	E003	Barium, total	mg/L	11/18/15 - 11/16/23	21	0	CI around mean	0.0568	0.130
G209	UA	E003	Beryllium, total	mg/L	11/18/15 - 11/16/23	21	97	Most recent sample	0.001	0.001
G209	UA	E003	Boron, total	mg/L	11/18/15 - 11/16/23	28	59	CI around median	0.01	0.110
G209	UA	E003	Cadmium, total	mg/L	11/18/15 - 11/16/23	21	98	Most recent sample	0.001	0.001
G209	UA	E003	Chloride, total	mg/L	11/18/15 - 11/16/23	28	0	CI around geomean	60.6	94.9
G209	UA	E003	Chromium, total	mg/L	11/18/15 - 11/16/23	21	70	CI around median	0.004	0.00960
G209	UA	E003	Cobalt, total	mg/L	11/18/15 - 11/16/23	21	88	CI around median	0.002	0.00370
G209	UA	E003	Fluoride, total	mg/L	11/18/15 - 11/16/23	29	2	CI around mean	0.404	0.552
G209	UA	E003	Lead, total	mg/L	11/18/15 - 11/16/23	21	86	CI around median	0.001	0.00590
G209	UA	E003	Lithium, total	mg/L	11/18/15 - 11/16/23	14	86	CI around median	0.01	0.02
G209	UA	E003	Mercury, total	mg/L	11/18/15 - 11/16/23	21	97	Most recent sample	0.0002	0.00110
G209	UA	E003	Molybdenum, total	mg/L	11/18/15 - 11/16/23	21	9	CI around mean	0.00157	0.0440

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G209	UA	E003	pH (field)	SU	11/18/15 - 11/16/23	32	0	CI around mean	7.0/7.2	6.8/7.4
G209	UA	E003	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 11/16/23	14	0	CI around mean	0.483	1.48
G209	UA	E003	Selenium, total	mg/L	11/18/15 - 11/16/23	21	61	CI around median	0.001	0.00350
G209	UA	E003	Sulfate, total	mg/L	11/18/15 - 11/16/23	28	0	CB around T-S line	214	387
G209	UA	E003	Thallium, total	mg/L	11/18/15 - 11/16/23	21	94	CI around median	0.001	0.001
G209	UA	E003	Total Dissolved Solids	mg/L	11/18/15 - 11/16/23	28	0	CB around linear reg	808	975
G212	UA	E003	Antimony, total	mg/L	11/18/15 - 11/16/23	21	100	All ND - Last	0.001	0.003
G212	UA	E003	Arsenic, total	mg/L	11/18/15 - 11/16/23	21	84	CI around median	0.001	0.0110
G212	UA	E003	Barium, total	mg/L	11/18/15 - 11/16/23	21	0	CI around mean	0.0485	0.130
G212	UA	E003	Beryllium, total	mg/L	11/18/15 - 11/16/23	21	97	CI around median	0.001	0.001
G212	UA	E003	Boron, total	mg/L	11/18/15 - 11/16/23	28	82	CI around median	0.01	0.110
G212	UA	E003	Cadmium, total	mg/L	11/18/15 - 11/16/23	21	98	CI around median	0.001	0.001
G212	UA	E003	Chloride, total	mg/L	11/18/15 - 11/16/23	28	0	CB around linear reg	43.1	94.9
G212	UA	E003	Chromium, total	mg/L	11/18/15 - 11/16/23	21	85	CI around median	0.004	0.00960
G212	UA	E003	Cobalt, total	mg/L	11/18/15 - 11/16/23	21	97	CI around median	0.002	0.00370
G212	UA	E003	Fluoride, total	mg/L	11/18/15 - 11/16/23	28	12	CI around median	0.289	0.552
G212	UA	E003	Lead, total	mg/L	11/18/15 - 11/16/23	21	84	CI around median	0.001	0.00590
G212	UA	E003	Lithium, total	mg/L	11/18/15 - 11/16/23	14	100	All ND - Last	0.003	0.02
G212	UA	E003	Mercury, total	mg/L	11/18/15 - 11/16/23	21	97	CI around median	0.0002	0.00110
G212	UA	E003	Molybdenum, total	mg/L	11/18/15 - 11/16/23	21	70	CI around median	0.001	0.0440
G212	UA	E003	pH (field)	SU	11/18/15 - 11/16/23	29	0	CI around mean	7.1/7.3	6.8/7.4
G212	UA	E003	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 11/16/23	14	0	CI around mean	0.383	1.48
G212	UA	E003	Selenium, total	mg/L	11/18/15 - 11/16/23	21	15	CB around T-S line	0.000279	0.00350
G212	UA	E003	Sulfate, total	mg/L	11/18/15 - 11/16/23	28	0	CI around mean	53.2	387
G212	UA	E003	Thallium, total	mg/L	11/18/15 - 11/16/23	21	97	CI around median	0.001	0.001
G212	UA	E003	Total Dissolved Solids	mg/L	11/18/15 - 11/16/23	28	0	CI around mean	382	975
G213	UA	E003	Antimony, total	mg/L	10/13/20 - 11/16/23	13	100	All ND - Last	0.001	0.003

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COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G213	UA	E003	Arsenic, total	mg/L	10/13/20 - 11/16/23	13	69	CI around median	0.001	0.0110
G213	UA	E003	Barium, total	mg/L	10/13/20 - 11/16/23	13	0	CI around mean	0.0454	0.130
G213	UA	E003	Beryllium, total	mg/L	10/13/20 - 11/16/23	13	92	Most recent sample	0.001	0.001
G213	UA	E003	Boron, total	mg/L	10/13/20 - 11/16/23	13	89	CI around median	0.01	0.110
G213	UA	E003	Cadmium, total	mg/L	10/13/20 - 11/16/23	13	97	Most recent sample	0.001	0.001
G213	UA	E003	Chloride, total	mg/L	10/13/20 - 11/16/23	13	0	CI around mean	41.5	94.9
G213	UA	E003	Chromium, total	mg/L	10/13/20 - 11/16/23	13	64	CB around T-S line	0.00215	0.00960
G213	UA	E003	Cobalt, total	mg/L	10/13/20 - 11/16/23	13	84	CI around median	0.002	0.00370
G213	UA	E003	Fluoride, total	mg/L	10/13/20 - 11/16/23	13	8	CI around mean	0.251	0.552
G213	UA	E003	Lead, total	mg/L	10/13/20 - 11/16/23	13	72	CI around median	0.001	0.00590
G213	UA	E003	Lithium, total	mg/L	02/15/23 - 11/16/23	4	50	CI around mean	0.00324	0.02
G213	UA	E003	Mercury, total	mg/L	10/13/20 - 11/16/23	13	100	All ND - Last	0.0002	0.00110
G213	UA	E003	Molybdenum, total	mg/L	10/13/20 - 11/16/23	13	87	CI around median	0.001	0.0440
G213	UA	E003	pH (field)	SU	10/13/20 - 11/16/23	13	0	CI around mean	7.0/7.3	6.8/7.4
G213	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 11/16/23	4	0	CI around mean	-0.878	1.48
G213	UA	E003	Selenium, total	mg/L	10/13/20 - 11/16/23	13	24	CI around median	0.001	0.00350
G213	UA	E003	Sulfate, total	mg/L	10/13/20 - 11/16/23	13	0	CI around median	55	387
G213	UA	E003	Thallium, total	mg/L	10/13/20 - 11/16/23	13	96	CI around median	0.001	0.001
G213	UA	E003	Total Dissolved Solids	mg/L	10/13/20 - 11/16/23	13	0	CI around mean	370	975
G215	UA	E003	Antimony, total	mg/L	11/24/15 - 11/16/23	21	97	CB around T-S line	0.00234	0.003
G215	UA	E003	Arsenic, total	mg/L	11/24/15 - 11/16/23	21	20	CI around geomean	0.00467	0.0110
G215	UA	E003	Barium, total	mg/L	11/24/15 - 11/16/23	21	0	CB around linear reg	0.00775	0.130
G215	UA	E003	Beryllium, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.001	0.001
G215	UA	E003	Boron, total	mg/L	11/24/15 - 11/16/23	29	25	CB around linear reg	0.592	0.110
G215	UA	E003	Cadmium, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.001	0.001
G215	UA	E003	Chloride, total	mg/L	11/24/15 - 11/16/23	29	0	CB around T-S line	85	94.9
G215	UA	E003	Chromium, total	mg/L	11/24/15 - 11/16/23	21	91	CI around median	0.004	0.00960

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G215	UA	E003	Cobalt, total	mg/L	11/24/15 - 11/16/23	21	91	CB around T-S line	0.00165	0.00370
G215	UA	E003	Fluoride, total	mg/L	11/24/15 - 11/16/23	29	15	CB around linear reg	0.144	0.552
G215	UA	E003	Lead, total	mg/L	11/24/15 - 11/16/23	21	84	CI around median	0.001	0.00590
G215	UA	E003	Lithium, total	mg/L	11/24/15 - 11/16/23	14	86	CI around median	0.01	0.02
G215	UA	E003	Mercury, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.0002	0.00110
G215	UA	E003	Molybdenum, total	mg/L	11/24/15 - 11/16/23	21	87	CI around median	0.001	0.0440
G215	UA	E003	pH (field)	SU	11/24/15 - 11/16/23	31	0	CI around mean	6.9/7.1	6.8/7.4
G215	UA	E003	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 11/16/23	14	0	CI around mean	0.446	1.48
G215	UA	E003	Selenium, total	mg/L	11/24/15 - 11/16/23	21	91	CI around median	0.001	0.00350
G215	UA	E003	Sulfate, total	mg/L	11/24/15 - 11/16/23	29	0	CB around linear reg	488	387
G215	UA	E003	Thallium, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.002	0.001
G215	UA	E003	Total Dissolved Solids	mg/L	11/24/15 - 11/16/23	29	0	CB around linear reg	1,190	975
G217	UA	E003	Antimony, total	mg/L	10/14/20 - 11/16/23	13	100	All ND - Last	0.001	0.003
G217	UA	E003	Arsenic, total	mg/L	10/14/20 - 11/16/23	13	83	CI around median	0.001	0.0110
G217	UA	E003	Barium, total	mg/L	10/14/20 - 11/16/23	13	0	CI around mean	0.0945	0.130
G217	UA	E003	Beryllium, total	mg/L	10/14/20 - 11/16/23	13	100	All ND - Last	0.001	0.001
G217	UA	E003	Boron, total	mg/L	10/14/20 - 11/16/23	13	75	CI around median	0.01	0.110
G217	UA	E003	Cadmium, total	mg/L	10/14/20 - 11/16/23	13	100	All ND - Last	0.001	0.001
G217	UA	E003	Chloride, total	mg/L	10/14/20 - 11/16/23	13	0	CB around linear reg	104	94.9
G217	UA	E003	Chromium, total	mg/L	10/14/20 - 11/16/23	13	71	CI around median	0.004	0.00960
G217	UA	E003	Cobalt, total	mg/L	10/14/20 - 11/16/23	13	88	CI around median	0.002	0.00370
G217	UA	E003	Fluoride, total	mg/L	10/14/20 - 11/16/23	13	12	CI around median	0.296	0.552
G217	UA	E003	Lead, total	mg/L	10/14/20 - 11/16/23	13	89	CI around median	0.001	0.00590
G217	UA	E003	Lithium, total	mg/L	02/15/23 - 11/16/23	4	50	CI around mean	0.00344	0.02
G217	UA	E003	Mercury, total	mg/L	10/14/20 - 11/16/23	13	100	All ND - Last	0.0002	0.00110
G217	UA	E003	Molybdenum, total	mg/L	10/14/20 - 11/16/23	13	87	CI around median	0.001	0.0440
G217	UA	E003	pH (field)	SU	10/14/20 - 11/16/23	13	0	CI around mean	6.8/7.0	6.8/7.4

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G217	UA	E003	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 11/16/23	4	0	CI around mean	0.174	1.48
G217	UA	E003	Selenium, total	mg/L	10/14/20 - 11/16/23	13	75	Most recent sample	0.001	0.00350
G217	UA	E003	Sulfate, total	mg/L	10/14/20 - 11/16/23	13	0	CB around linear reg	368	387
G217	UA	E003	Thallium, total	mg/L	10/14/20 - 11/16/23	13	100	All ND - Last	0.002	0.001
G217	UA	E003	Total Dissolved Solids	mg/L	10/14/20 - 11/16/23	13	0	CB around linear reg	1,020	975
G218	UA	E003	Antimony, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.001	0.003
G218	UA	E003	Arsenic, total	mg/L	11/24/15 - 11/16/23	21	23	CI around geomean	0.00133	0.0110
G218	UA	E003	Barium, total	mg/L	11/24/15 - 11/16/23	21	0	CB around linear reg	0.0844	0.130
G218	UA	E003	Beryllium, total	mg/L	11/24/15 - 11/16/23	21	97	CI around median	0.001	0.001
G218	UA	E003	Boron, total	mg/L	11/24/15 - 11/16/23	28	76	CI around median	0.01	0.110
G218	UA	E003	Cadmium, total	mg/L	11/24/15 - 11/16/23	21	98	CI around median	0.001	0.001
G218	UA	E003	Chloride, total	mg/L	11/24/15 - 11/16/23	28	0	CI around median	83	94.9
G218	UA	E003	Chromium, total	mg/L	11/24/15 - 11/16/23	21	79	CB around T-S line	0.00308	0.00960
G218	UA	E003	Cobalt, total	mg/L	11/24/15 - 11/16/23	21	88	CI around median	0.002	0.00370
G218	UA	E003	Fluoride, total	mg/L	11/24/15 - 11/16/23	29	12	CI around mean	0.287	0.552
G218	UA	E003	Lead, total	mg/L	11/24/15 - 11/16/23	21	91	CI around median	0.001	0.00590
G218	UA	E003	Lithium, total	mg/L	11/24/15 - 11/16/23	14	86	CI around median	0.01	0.02
G218	UA	E003	Mercury, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.0002	0.00110
G218	UA	E003	Molybdenum, total	mg/L	11/24/15 - 11/16/23	21	87	CI around median	0.001	0.0440
G218	UA	E003	pH (field)	SU	11/24/15 - 11/16/23	30	0	CI around mean	6.9/7.0	6.8/7.4
G218	UA	E003	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 11/16/23	14	0	CI around mean	0.623	1.48
G218	UA	E003	Selenium, total	mg/L	11/24/15 - 11/16/23	21	85	CI around median	0.001	0.00350
G218	UA	E003	Sulfate, total	mg/L	11/24/15 - 11/16/23	28	0	CB around linear reg	313	387
G218	UA	E003	Thallium, total	mg/L	11/24/15 - 11/16/23	21	100	All ND - Last	0.002	0.001
G218	UA	E003	Total Dissolved Solids	mg/L	11/24/15 - 11/16/23	29	0	CB around linear reg	889	975

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COFFEEN, IL

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:

DA = Deep Aquifer

UA = Uppermost Aquifer

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

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

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

CB around 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