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Illinois Power Generating Company

Date
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Project No.
1940106781-004

2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

ASH POND NO. 2

COFFEEN POWER PLANT

COFFEEN, ILLINOIS

CCR UNIT 102

RAMBOLL Bright ideas. Sustainable change.

2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT COFFEEN POWER PLANT ASH POND NO. 2

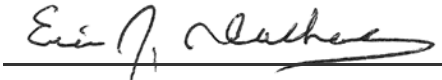
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ACRONYMS AND ABBREVIATIONS

35 I.A.C.	Title 35 of the Illinois Administrative Code
40 C.F.R.	Title 40 of the Code of Federal Regulations
A6D	Quarter 3, 2023 Assessment Monitoring sampling event
A6DR	Quarter 4, 2023 Assessment Monitoring sampling event
A7	Quarter 1, 2024 Assessment Monitoring sampling event
A7R	Quarter 2, 2024 Assessment Monitoring sampling event
A7D	Quarter 3, 2024 Assessment Monitoring sampling event
A7DR	Quarter 4, 2024 Assessment Monitoring sampling event
AP2	Ash Pond No. 2
ASD	Alternative Source Demonstration
CCR	coal combustion residuals
CMA	Corrective Measures Assessment
CPP	Coffeen Power Plant
GWPS	groundwater protection standard
IEPA	Illinois Environmental Protection Agency
NA	not applicable
No.	number
OBG	OBG, Part of Ramboll
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SAP	Sampling and Analysis Plan
SSI	statistically significant increase
SSL	statistically significant level

EXECUTIVE SUMMARY

This report has been prepared to provide the information required by Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.90(e) for Ash Pond Number (No.) 2 (AP2) located at the Coffeen Power Plant (CPP) near Coffeen, Illinois.

Groundwater is being monitored at AP2 in accordance with the Assessment Monitoring Program requirements specified in 40 C.F.R. § 257.95. Assessment Monitoring was initiated at AP2 on April 9, 2018.

No changes were made to the monitoring system in 2024 (no wells were installed or decommissioned).

The following statistically significant levels (SSLs) of 40 C.F.R. § 257 Appendix IV parameters above groundwater protection standards (GWPSs) were reported in 2024:

- Cobalt at well G401

As required by 40 C.F.R. § 257.95(g)(3)(i), a Corrective Measures Assessment (CMA) (OBG, Part of Ramboll [OBG], 2019) following the requirements of 40 C.F.R. § 257.96 was initiated on May 8, 2019 and completed on July 8, 2019 to address the cobalt SSL.

The CMA indicated the source control measure for AP2 would be closure in place with a geomembrane cover system. Construction of the geomembrane cover system began in July of 2019 and was completed on November 17, 2020 in accordance with the Closure and Post Closure Care Plan approved by the Illinois Environmental Protection Agency (IEPA) on January 30, 2018.

The CMA was revised on November 30, 2020 (Ramboll Americas Engineering Solutions, Inc. [Ramboll], 2020) to address cobalt and lithium SSLs based on the 2020 Assessment Monitoring results, include additional information related to site geology/hydrogeology, and focus on application of the evaluation factors identified in 40 C.F.R. § 257.96(c) to potential groundwater corrective measures. Additional revisions were made to the CMA on January 6, 2023 to include an Alternative Source Demonstration (ASD) for the cobalt SSL and additional geology/hydrogeology information gained during site investigation activities in 2021 related to permitting required by Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845. With the ASD for the cobalt SSL, and the lack of any other SSLs, further evaluation of corrective action is not warranted for AP2. Results from the most recent and future sampling events will be evaluated to determine if evaluation of corrective action should resume.

Statistically significant increases (SSIs) of Appendix III parameters above background values were determined as discussed in **Section 3**; therefore, AP2 remains in the Assessment Monitoring Program.

Quarterly groundwater sampling for 35 I.A.C. § 845 compliance evaluation was initiated at the AP2 during Quarter 2, 2023. Exceedances of GWPSs established under 35 I.A.C. § 845 were determined and require corrective action through a permitting process administered by the IEPA. Therefore, remedy selection will take into consideration compliance with both 40 C.F.R. § 257 and 35 I.A.C. § 845.

In accordance with 40 C.F.R. § 257.97, remedy selection is to be completed as soon as feasible following completion of the CMA. As required by 35 I.A.C. § 845.670, a corrective action plan that identifies the selected remedy must be submitted to IEPA within one year after completing the CMA required by 35 I.A.C. § 845.660. The CMA was completed and submitted to the IEPA on June 12, 2024 (Ramboll, 2024). A corrective action plan will be submitted on or before June 12, 2025 that meets the requirements of both 40 C.F.R. § 257 and 35 I.A.C. § 845.

1. INTRODUCTION

This report has been prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) on behalf of Illinois Power Generating Company, to provide the information required by 40 C.F.R. § 257.90(e) for AP2 located at the CPP near Coffeen, Illinois.

In accordance with 40 C.F.R. § 257.90(e), the owner or operator of a coal combustion residuals (CCR) unit must prepare an Annual Groundwater Monitoring and Corrective Action Report for the preceding calendar year that documents the status of the Groundwater Monitoring and Corrective Action Program for the CCR unit (**Section 2**), summarizes key actions completed (**Section 3**), describes any problems encountered and actions to resolve the problems (**Section 4**), and projects key activities for the upcoming year (**Section 5**). At a minimum, the annual report must contain the following information, to the extent available:

1. A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit (**Figure 1**).
2. Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken (**Section 3, paragraph 1**).
3. In addition to all the monitoring data obtained under §§ 257.90 through 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the Detection Monitoring or Assessment Monitoring Programs (**Section 3, Table A**).
4. A narrative discussion of any transition between monitoring programs (*e.g.*, the date and circumstances for transitioning from Detection Monitoring to Assessment Monitoring in addition to identifying the constituent(s) detected at a statistically significant increase relative to background levels) (**Section 2**).
5. Other information required to be included in the annual report as specified in §§ 257.90 through 257.98.
6. A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit (see **Executive Summary**). At a minimum, the summary must specify all of the following:
    i. At the start of the current annual reporting period, whether the CCR unit was operating under the Detection Monitoring Program in §257.94 or the Assessment Monitoring Program in §257.95.
    ii. At the end of the current annual reporting period, whether the CCR unit was operating under the Detection Monitoring Program in §257.94 or the Assessment Monitoring Program in §257.95.
    iii. If it was determined that there was a statistically significant increase over background for one or more constituents listed in Appendix III of §257 pursuant to §257.94(e):
        A. Identify those constituents listed in Appendix III of §257 and the names of the monitoring wells associated with such an increase.

B. Provide the date when the Assessment Monitoring Program was initiated for the CCR unit.

iv. If it was determined that there was a statistically significant level above the groundwater protection standard for one or more constituents listed in Appendix IV of §257 pursuant to §257.95(g) include all of the following:

A. Identify those constituents listed in Appendix IV of §257 and the names of the monitoring wells associated with such an increase.

B. Provide the date when the assessment of corrective measures was initiated for the CCR unit.

C. Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit.

D. Provide the date when the assessment of corrective measures was completed for the CCR unit.

v. Whether a remedy was selected pursuant to §257.97 during the current annual reporting period, and if so, the date of remedy selection.

vi. Whether remedial activities were initiated or are ongoing pursuant to § 257.98 during the current annual reporting period.

This report provides the required information for AP2 for calendar year 2024.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

Groundwater is being monitored at AP2 in accordance with the Assessment Monitoring Program requirements specified in 40 C.F.R. § 257.95. Assessment Monitoring was initiated on April 9, 2018. SSLs were determined for AP2 and alternative source evaluations were inconclusive for one or more SSLs. In accordance with 40 C.F.R. § 257.95(g)(5), a CMA following the requirements of 40 C.F.R. § 257.96 was initiated on April 8, 2019 and completed on July 8, 2019 to address the cobalt SSL detected at G401.

A public meeting was held on October 7, 2019 at the Coffeen Elementary School in Coffeen, Illinois to discuss the results of the CMA in accordance with 40 C.F.R. § 257.96(e).

The CMA indicated the source control measure for AP2 would be closure in place with a geomembrane cover system. Construction of the geomembrane cover system began in July of 2019 and was completed on November 17, 2020 in accordance with the Closure and Post Closure Care Plan approved by IEPA on January 30, 2018.

The CMA was revised on November 30, 2020 to address cobalt and lithium SSLs based on the 2020 Assessment Monitoring results, include additional information related to site geology/hydrogeology, and focus on application of the evaluation factors identified in 40 C.F.R. § 257.96(c) to potential groundwater corrective measures. Additional revisions were made to the CMA on January 6, 2023 to include an ASD for the cobalt SSL and additional geology/hydrogeology information gained during site investigation activities in 2021 related to permitting required by 35 I.A.C. § 845. With the ASD for the cobalt SSL, and the lack of any other SSLs, further evaluation of corrective action is not warranted for AP2. Results from the most recent and future sampling events will be evaluated to determine if evaluation of corrective action should resume.

SSIs of Appendix III parameters above background values were determined, as discussed in **Section 3**, and AP2 remains in the Assessment Monitoring Program in accordance with 40 C.F.R. § 257.96(b).

Quarterly groundwater sampling for 35 I.A.C. § 845 compliance evaluation was initiated at the AP2 during Quarter 2, 2023. Exceedances of GWPSs established under 35 I.A.C. § 845 were determined and require corrective action through a permitting process administered by the IEPA. Therefore, remedy selection will take into consideration compliance with both 40 C.F.R. § 257 and 35 I.A.C. § 845.

In accordance with 40 C.F.R. § 257.97, remedy selection is to be completed as soon as feasible following completion of the CMA. As required by 35 I.A.C. § 845.670, a corrective action plan that identifies the selected remedy must be submitted to IEPA within one year after completing the CMA required by 35 I.A.C. § 845.660. The CMA was completed and submitted to the IEPA on June 12, 2024 (Ramboll, 2024). A corrective action plan will be submitted on or before June 12, 2025 that meets the requirements of both 40 C.F.R. § 257 and 35 I.A.C. § 845.

3. KEY ACTIONS COMPLETED IN 2024

A summary of the samples collected from background and compliance monitoring wells in 2024 under the Assessment Monitoring Program is included in **Table A** on the following page. The groundwater monitoring system, including the CCR unit and all background and compliance monitoring wells, is presented in **Figure 1**. No wells were installed or decommissioned in 2024.

One groundwater sample was collected from each background and compliance well during each monitoring event. AP2 is also regulated under 35 I.A.C. § 845, which requires quarterly monitoring. The groundwater monitoring systems for both programs (35 I.A.C. § 845 and 40 C.F.R. § 257) are identical, so all available data from the four quarterly monitoring events in 2024 are included in this report. All samples were collected and analyzed in accordance with the Multi-Site Sampling and Analysis Plan (SAP) (Ramboll, 2023). Data collected in accordance with 35 I.A.C. § 845 was included for statistical calculations performed in accordance with 40 C.F.R. § 257.93; however, SSLs are reported semiannually per 40 C.F.R. § 257.95(d)(1).

Potentiometric surfaces for the quarterly sampling events are included in **Figures 2 through 5**. All monitoring data and analytical results obtained under 40 C.F.R. §§ 257.90 through 257.98 and 35 I.A.C. § 845 in 2024 are presented in **Tables 1 through 3**. All associated laboratory reports and field data sheets are included in **Appendix A**.

Analytical data were evaluated in accordance with the Multi-Site Statistical Analysis Plan (Ramboll, 2022b), the Multi-Site Quality Assurance Project Plan (Ramboll, 2022c), and the Multi-Site Data Management Plan (Ramboll, 2022d) to determine any SSLs of Appendix IV parameters over GWPSs and SSIs of Appendix III parameters greater than background values. SSL notifications were completed in accordance with 40 C.F.R. § 257.95(g). SSIs are highlighted in **Table 2**. Statistical background values are provided in **Table 4** and a flow chart showing the statistical methodology for determination of background values is included as **Appendix B**. GWPSs are provided in **Table 5**. A summary of the determination of SSLs is included in **Table 6**. A flow chart showing the statistical methodology for determination of SSLs is included as **Appendix C**.

Table A. 2024 Assessment Monitoring Program Summary

Event ID	Sampling Dates [1, 2, 3]	Analytical Data Receipt Date [4]	SSL(s) Determination Date	SSL(s)	CMA Initiated
A6D [5,6]	August 10-11 and 14, 2023	November 21 2023	February 19, 2024 [7]	Cobalt at well G401	NA
A6DR [6]	November 14, 17 and 20-21, 2023	January 10, 2024	NA	NA	NA
A7	February 15 – 21, 2024	April 8, 2024	July 7, 2024	Cobalt at well G401	NA
A7R	April 29 – May 8, 2024	June 17, 2024	NA	NA	NA
A7D	July 30 – August 7, 2024	September 13, 2024	December 12, 2024	Cobalt at well G401	NA
A7DR	October 30 – November 7, 2024	December 19, 2024	NA	NA	NA

Notes:

CMA: Corrective Measures Assessment

NA: not applicable

SSL: Statistically Significant Level

[1] All samples were analyzed for Appendix III parameters listed in 40 C.F.R. § 257.94(e) and Appendix IV parameters listed in 40 C.F.R. § 257.95(g).

[2] The following background wells were sampled for each event: G270, G280, and G281

[3] The following compliance wells were sampled for each event: G401, G402, G403, G404, G405, G406, G407, and G1001

[4] Data collected in accordance with 35 I.A.C. § 845 was included for statistical calculations performed in accordance with 40 C.F.R. § 257.93; however, SSLs are reported semiannually per 40 C.F.R. § 257.95(d)(1).

[5] A groundwater sample was not collected from compliance monitoring well G1001 during the August 2023 sampling event.

[6] Laboratory reports and associated analytical data tables were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report.

[7] Statistical determinations were completed in 2024. Analytical data from 2023 sampling events used in statistical determinations are included in the 2024 Annual Groundwater Monitoring and Corrective Action Report for completeness.

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

No problems were encountered with the groundwater monitoring program during 2024. Groundwater samples were collected and analyzed in accordance with the SAP and all data were accepted.

5. KEY ACTIVITIES PLANNED FOR 2025

The following key activities are planned for 2025:

- Continuation of the Assessment Monitoring Program with semiannual sampling scheduled for the first and third quarters of 2025 (and sampling for 35 I.A.C. § 845 scheduled for the second and fourth quarters).
- Complete evaluation of analytical data from the compliance wells to determine whether an SSL of Appendix IV parameters above GWPSs has occurred.
- If an SSL is identified, potential alternative sources (*i.e.,* a source other than the CCR unit caused the SSL or that the SSL resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality) will be evaluated.
  - If an alternative source is identified to be the cause of the SSL, a written demonstration will be completed within 90 days of SSL determination and included in the 2025 Annual Groundwater Monitoring and Corrective Action Report.
- If an alternative source(s) is not identified to be the cause of the SSL, the applicable requirements of 40 C.F.R. § 257.96 through 257.98 (*e.g.,* assessment of corrective measures) as may apply in 2025 will be met, including associated recordkeeping/notifications required by 40 C.F.R. § 257.105 through 257.108.
- Semiannual progress reports required by 40 C.F.R. § 257.97(a) will be completed and posted to the publicly accessible website as required by 40 C.F.R. § 257.107(h)(9).

6. REFERENCES

Code of Federal Regulations, Title 40, Chapter I, Subchapter I, Part 257, Subpart D, Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, effective April 17, 2015. Accessed from URL https://www.ecfr.gov/current/title-40/chapter-I/subchapter-I/part-257/subpart-D#page-top.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022a. 40 C.F.R. § 257 Groundwater Monitoring Plan, Ash Pond No. 2, Coffeen Power Plant, Coffeen, Illinois. December 28, 2022.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022d. Multi-Site Data Management Plan. December 28, 2022.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022c. Multi-Site Quality Assurance Project Plan. December 28, 2022.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022b. Multi-Site Statistical Analysis Plan, 40 C.F.R. § 257. December 28, 2022.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. Multi-Site Sampling and Analysis Plan Revision 1. October 10, 2023.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2024. 35 I.A.C. § 845 Corrective Measures Assessment, Ash Pond No. 2, Coffeen Power Plant, Coffeen, Illinois, IEPA ID No. W1350150004-02. June 12, 2024 https://www.luminant.com/documents/ccr/il-ccr/Coffeen/2024/2024%2006%2012%20Coffeen%20AP2%20Final%20CMA%20Nature%20and%20Extent-Coffeen-Ash%20Pond%202-W1350150004%E2%80%9002.pdf

TABLES

TABLE 1
GROUNDWATER ELEVATION DATA
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G1001	Compliance	LCU	01/12/2024	4.44	593.33
G1001	Compliance	LCU	02/12/2024	6.73	591.05
G1001	Compliance	LCU	03/29/2024	6.11	591.66
G1001	Compliance	LCU	04/29/2024	3.75	594.03
G1001	Compliance	LCU	05/29/2024	5.83	591.83
G1001	Compliance	LCU	06/29/2024	6.88	590.78
G1001	Compliance	LCU	07/30/2024	6.17	591.61
G1001	Compliance	LCU	08/28/2024	6.79	590.88
G1001	Compliance	LCU	09/28/2024	4.01	593.66
G1001	Compliance	LCU	10/28/2024	6.27	591.41
G1001	Compliance	LCU	11/19/2024	3.82	593.84
G1001	Compliance	LCU	12/12/2024	6.09	591.59
G270	Background	UA	01/12/2024	4.70	620.72
G270	Background	UA	02/12/2024	2.80	622.63
G270	Background	UA	03/29/2024	2.18	623.24
G270	Background	UA	04/29/2024	1.95	623.48
G270	Background	UA	05/29/2024	2.71	622.95
G270	Background	UA	06/29/2024	8.14	617.52
G270	Background	UA	07/29/2024	7.23	618.20
G270	Background	UA	08/28/2024	9.36	616.31
G270	Background	UA	09/28/2024	9.36	616.31
G270	Background	UA	10/28/2024	11.10	614.57
G270	Background	UA	11/19/2024	3.99	621.67
G270	Background	UA	12/12/2024	5.25	620.42
G280	Background	UA	01/12/2024	6.98	618.27
G280	Background	UA	02/12/2024	6.12	619.14
G280	Background	UA	03/29/2024	DM[7]	
G280	Background	UA	04/29/2024	3.91	621.35
G280	Background	UA	05/29/2024	4.16	621.22
G280	Background	UA	06/29/2024	5.68	619.70
G280	Background	UA	07/29/2024	5.53	619.73
G280	Background	UA	08/28/2024	6.55	618.83
G280	Background	UA	09/28/2024	7.00	618.38
G280	Background	UA	10/28/2024	7.70	617.69
G280	Background	UA	11/19/2024	DM[7]	
G280	Background	UA	12/13/2024	[7.19]	[618.20]
G281	Background	UA	01/12/2024	4.55	621.87
G281	Background	UA	02/12/2024	5.30	621.13
G281	Background	UA	03/29/2024	4.29	622.13
G281	Background	UA	04/29/2024	4.12	622.31
G281	Background	UA	05/29/2024	4.73	621.96
G281	Background	UA	06/29/2024	8.21	618.47
G281	Background	UA	07/30/2024	6.21	620.22
G281	Background	UA	08/28/2024	8.65	618.04
G281	Background	UA	09/28/2024	6.74	619.95
G281	Background	UA	10/28/2024	9.11	617.59

TABLE 1
GROUNDWATER ELEVATION DATA
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G281	Background	UA	11/19/2024	5.82	620.87
G281	Background	UA	12/12/2024	7.08	619.62
G401	Compliance	UA	01/12/2024	DM[1]	
G401	Compliance	UA	02/12/2024	21.50	604.07
G401	Compliance	UA	03/29/2024	DM[1]	
G401	Compliance	UA	05/02/2024	[20.94]	[604.63]
G401	Compliance	UA	05/29/2024	DM[1]	
G401	Compliance	UA	06/29/2024	DM[1]	
G401	Compliance	UA	07/29/2024	21.71	603.86
G401	Compliance	UA	08/28/2024	DM[1]	
G401	Compliance	UA	09/28/2024	DM[1]	
G401	Compliance	UA	10/28/2024	27.72	600.85
G401	Compliance	UA	11/19/2024	DM[1]	
G401	Compliance	UA	12/12/2024	DM[1]	
G402	Compliance	UA	01/12/2024	9.67	603.38
G402	Compliance	UA	02/12/2024	9.35	603.71
G402	Compliance	UA	03/29/2024	7.54	605.51
G402	Compliance	UA	04/29/2024	6.46	606.60
G402	Compliance	UA	05/29/2024	8.69	604.50
G402	Compliance	UA	06/29/2024	11.18	602.00
G402	Compliance	UA	07/30/2024	11.13	601.93
G402	Compliance	UA	08/28/2024	11.76	601.43
G402	Compliance	UA	09/28/2024	11.48	601.70
G402	Compliance	UA	10/28/2024	11.67	601.53
G402	Compliance	UA	11/19/2024	9.67	603.52
G402	Compliance	UA	12/12/2024	10.27	602.93
G403	Compliance	UA	01/12/2024	5.07	621.16
G403	Compliance	UA	02/12/2024	6.35	619.89
G403	Compliance	UA	03/29/2024	4.98	621.25
G403	Compliance	UA	04/29/2024	4.22	622.02
G403	Compliance	UA	05/29/2024	7.72	620.50
G403	Compliance	UA	06/29/2024	10.60	617.62
G403	Compliance	UA	07/30/2024	6.63	619.61
G403	Compliance	UA	08/28/2024	8.89	619.33
G403	Compliance	UA	09/28/2024	6.52	621.70
G403	Compliance	UA	10/28/2024	9.51	618.72
G403	Compliance	UA	11/19/2024	5.48	622.74
G403	Compliance	UA	12/12/2024	6.67	621.56
G404	Compliance	UA	01/12/2024	3.01	612.65
G404	Compliance	UA	02/12/2024	4.23	611.44
G404	Compliance	UA	03/29/2024	3.44	612.22
G404	Compliance	UA	04/29/2024	2.64	613.03
G404	Compliance	UA	05/29/2024	3.53	612.09
G404	Compliance	UA	06/29/2024	6.03	609.59
G404	Compliance	UA	07/30/2024	4.49	611.18
G404	Compliance	UA	08/28/2024	6.10	609.52

TABLE 1
GROUNDWATER ELEVATION DATA
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G404	Compliance	UA	09/28/2024	4.12	611.50
G404	Compliance	UA	10/28/2024	6.36	609.27
G404	Compliance	UA	11/19/2024	3.47	612.15
G404	Compliance	UA	12/12/2024	4.79	610.84
G405	Compliance	UA	01/12/2024	5.07	618.33
G405	Compliance	UA	02/12/2024	8.24	615.17
G405	Compliance	UA	03/29/2024	5.82	617.58
G405	Compliance	UA	04/29/2024	4.23	619.18
G405	Compliance	UA	05/29/2024	5.80	617.68
G405	Compliance	UA	06/29/2024	7.13	616.35
G405	Compliance	UA	07/30/2024	6.10	617.31
G405	Compliance	UA	08/28/2024	DM[7]	
G405	Compliance	UA	09/28/2024	DM[7]	
G405	Compliance	UA	10/28/2024	7.57	615.92
G405	Compliance	UA	11/19/2024	DM[7]	
G405	Compliance	UA	12/13/2024	[6.55]	[616.94]
G406	Compliance	UA	01/12/2024	10.19	614.85
G406	Compliance	UA	02/12/2024	11.47	613.58
G406	Compliance	UA	03/29/2024	10.32	614.72
G406	Compliance	UA	04/29/2024	9.40	615.65
G406	Compliance	UA	05/29/2024	11.81	614.86
G406	Compliance	UA	06/29/2024	15.13	611.55
G406	Compliance	UA	07/30/2024	11.15	613.90
G406	Compliance	UA	08/28/2024	13.74	612.93
G406	Compliance	UA	09/28/2024	10.79	615.88
G406	Compliance	UA	10/28/2024	14.21	612.47
G406	Compliance	UA	11/19/2024	10.42	616.26
G406	Compliance	UA	12/12/2024	12.33	614.35
G407	Compliance	UA	01/12/2024	4.25	616.69
G407	Compliance	UA	02/12/2024	6.05	614.90
G407	Compliance	UA	03/29/2024	6.25	614.69
G407	Compliance	UA	04/29/2024	5.27	615.68
G407	Compliance	UA	05/29/2024	5.61	615.44
G407	Compliance	UA	06/29/2024	7.75	613.30
G407	Compliance	UA	07/29/2024	6.74	614.21
G407	Compliance	UA	08/28/2024	7.74	613.31
G407	Compliance	UA	09/28/2024	5.80	615.26
G407	Compliance	UA	10/28/2024	7.91	613.15
G407	Compliance	UA	11/19/2024	5.26	615.79
G407	Compliance	UA	12/12/2024	6.72	614.34
SG-02	Water Level	SW	01/12/2024	6.86	599.17
SG-02	Water Level	SW	02/12/2024	7.22	598.82
SG-02	Water Level	SW	03/29/2024	7.03	599.00
SG-02	Water Level	SW	04/29/2024	6.68	599.36
SG-02	Water Level	SW	05/29/2024	6.58	599.18
SG-02	Water Level	SW	06/29/2024	6.92	598.84

TABLE 1
GROUNDWATER ELEVATION DATA
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
SG-02	Water Level	SW	07/30/2024	7.13	598.91
SG-02	Water Level	SW	08/28/2024	6.20	599.56
SG-02	Water Level	SW	09/28/2024	5.97	599.79
SG-02	Water Level	SW	10/28/2024	6.21	599.55
SG-02	Water Level	SW	10/29/2024	6.17	599.60
SG-02	Water Level	SW	11/19/2024	6.99	598.77
SG-02	Water Level	SW	12/12/2024	7.17	598.60
SG-03	Water Level	SW	01/12/2024	8.21	577.71
SG-03	Water Level	SW	02/12/2024	8.44	577.49
SG-03	Water Level	SW	03/29/2024	8.61	577.31
SG-03	Water Level	SW	04/29/2024	7.94	577.99
SG-03	Water Level	SW	05/29/2024	8.52	577.40
SG-03	Water Level	SW	06/29/2024	8.99	576.93
SG-03	Water Level	SW	07/30/2024	8.69	577.24
SG-03	Water Level	SW	08/28/2024	DM[7]	
SG-03	Water Level	SW	09/28/2024	DM[7]	
SG-03	Water Level	SW	10/29/2024	9.72	576.21
SG-03	Water Level	SW	11/19/2024	8.99	576.93
SG-03	Water Level	SW	12/11/2024	8.80	577.13

Notes:
BMP = below measuring point
Bracketing [ ] indicates that the measurement was obtained outside of the episodic depth to groundwater measurements time frame.
Depth to Groundwater/Groundwater Elevation Code (if applicable):

DM[1] = Depth to water was not measured.
DM[2] = Depth to water was not measured because water was above or below the staff gage markings.
DM[3] = Depth to water was not measured because the location was inaccessible.
DM[4] = Depth to water was not measured because water level was below the top of the pump.
DM[5] = Depth to water was not measured because water level was above the top of casing (artesian well).
DM[6] = Depth to water was not measured because of damage to the well.
DM[7] = Depth to water was not measured due to required pressure transducer maintenance.
DM[8] = Lab provided groundwater elevation data and not depth to water.

NAVD88 = North American Vertical Datum of 1988
Monitored Unit Abbreviations:

LCU = lower confining unit
SW = surface water
UA = uppermost aquifer

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TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
G270	UA	Background	08/14/2023	A6D	Boron, total	mg/L	0.0092 U	--	--	--
G270	UA	Background	11/17/2023	A6DR	Boron, total	mg/L	0.0125 U	--	--	--
G270	UA	Background	02/19/2024	A7	Boron, total	mg/L	0.02 UJ	--	--	--
G270	UA	Background	05/08/2024	A7R	Boron, total	mg/L	0.02 UJ	--	--	--
G270	UA	Background	08/07/2024	A7D	Boron, total	mg/L	0.015 J	--	--	--
G270	UA	Background	10/29/2024	A7DR	Boron, total	mg/L	0.0092 U	--	--	--
G270	UA	Background	08/14/2023	A6D	Calcium, total	mg/L	57.9	--	--	--
G270	UA	Background	11/17/2023	A6DR	Calcium, total	mg/L	58.1	--	--	--
G270	UA	Background	02/19/2024	A7	Calcium, total	mg/L	58.9	--	--	--
G270	UA	Background	05/08/2024	A7R	Calcium, total	mg/L	58.6	--	--	--
G270	UA	Background	08/07/2024	A7D	Calcium, total	mg/L	62.1	--	--	--
G270	UA	Background	10/29/2024	A7DR	Calcium, total	mg/L	61.0	--	--	--
G270	UA	Background	08/14/2023	A6D	Chloride, total	mg/L	13.0	--	--	--
G270	UA	Background	11/17/2023	A6DR	Chloride, total	mg/L	15.0	--	--	--
G270	UA	Background	02/19/2024	A7	Chloride, total	mg/L	12.0	--	--	--
G270	UA	Background	05/08/2024	A7R	Chloride, total	mg/L	12.0	--	--	--
G270	UA	Background	08/07/2024	A7D	Chloride, total	mg/L	14.0	--	--	--
G270	UA	Background	10/29/2024	A7DR	Chloride, total	mg/L	13.9	--	--	--
G270	UA	Background	08/14/2023	A6D	Fluoride, total	mg/L	0.350 J+	--	--	--
G270	UA	Background	11/17/2023	A6DR	Fluoride, total	mg/L	0.380	--	--	--
G270	UA	Background	02/19/2024	A7	Fluoride, total	mg/L	0.340	--	--	--
G270	UA	Background	05/08/2024	A7R	Fluoride, total	mg/L	0.360	--	--	--
G270	UA	Background	08/07/2024	A7D	Fluoride, total	mg/L	0.31 J	--	--	--
G270	UA	Background	10/29/2024	A7DR	Fluoride, total	mg/L	0.2 J	--	--	--
G270	UA	Background	08/14/2023	A6D	pH (field)	SU	6.8	--	--	--
G270	UA	Background	11/17/2023	A6DR	pH (field)	SU	7.1	--	--	--
G270	UA	Background	02/19/2024	A7	pH (field)	SU	7.2	--	--	--
G270	UA	Background	05/08/2024	A7R	pH (field)	SU	7.1	--	--	--
G270	UA	Background	08/07/2024	A7D	pH (field)	SU	6.9	--	--	--
G270	UA	Background	10/29/2024	A7DR	pH (field)	SU	6.8	--	--	--
G270	UA	Background	08/14/2023	A6D	Sulfate, total	mg/L	48.0 J+	--	--	--
G270	UA	Background	11/17/2023	A6DR	Sulfate, total	mg/L	50.0	--	--	--
G270	UA	Background	02/19/2024	A7	Sulfate, total	mg/L	53.0	--	--	--
G270	UA	Background	05/08/2024	A7R	Sulfate, total	mg/L	56.0	--	--	--
G270	UA	Background	08/07/2024	A7D	Sulfate, total	mg/L	65.0	--	--	--
G270	UA	Background	10/29/2024	A7DR	Sulfate, total	mg/L	47.3	--	--	--
G270	UA	Background	08/14/2023	A6D	Total Dissolved Solids	mg/L	426	--	--	--
G270	UA	Background	11/17/2023	A6DR	Total Dissolved Solids	mg/L	460	--	--	--
G270	UA	Background	02/19/2024	A7	Total Dissolved Solids	mg/L	412	--	--	--
G270	UA	Background	05/08/2024	A7R	Total Dissolved Solids	mg/L	456	--	--	--
G270	UA	Background	08/07/2024	A7D	Total Dissolved Solids	mg/L	482 J	--	--	--
G270	UA	Background	10/29/2024	A7DR	Total Dissolved Solids	mg/L	418	--	--	--
G280	UA	Background	08/14/2023	A6D	Boron, total	mg/L	0.0092 U	--	--	--
G280	UA	Background	11/20/2023	A6DR	Boron, total	mg/L	0.01 J	--	--	--
G280	UA	Background	02/20/2024	A7	Boron, total	mg/L	0.02 UJ	--	--	--
G280	UA	Background	05/06/2024	A7R	Boron, total	mg/L	0.0092 U	--	--	--

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
G280	UA	Background	07/30/2024	A7D	Boron, total	mg/L	0.014 J	--	--	--
G280	UA	Background	10/30/2024	A7DR	Boron, total	mg/L	0.0092 U	--	--	--
G280	UA	Background	08/14/2023	A6D	Calcium, total	mg/L	79.5	--	--	--
G280	UA	Background	11/20/2023	A6DR	Calcium, total	mg/L	91.5	--	--	--
G280	UA	Background	02/20/2024	A7	Calcium, total	mg/L	80.4	--	--	--
G280	UA	Background	05/06/2024	A7R	Calcium, total	mg/L	80.6	--	--	--
G280	UA	Background	07/30/2024	A7D	Calcium, total	mg/L	94.7	--	--	--
G280	UA	Background	10/30/2024	A7DR	Calcium, total	mg/L	83.2	--	--	--
G280	UA	Background	08/14/2023	A6D	Chloride, total	mg/L	70.0	--	--	--
G280	UA	Background	11/20/2023	A6DR	Chloride, total	mg/L	70.0	--	--	--
G280	UA	Background	02/20/2024	A7	Chloride, total	mg/L	72.0	--	--	--
G280	UA	Background	05/06/2024	A7R	Chloride, total	mg/L	74.0	--	--	--
G280	UA	Background	07/30/2024	A7D	Chloride, total	mg/L	76.0	--	--	--
G280	UA	Background	10/30/2024	A7DR	Chloride, total	mg/L	65.7	--	--	--
G280	UA	Background	08/14/2023	A6D	Fluoride, total	mg/L	0.310 J+	--	--	--
G280	UA	Background	11/20/2023	A6DR	Fluoride, total	mg/L	0.330	--	--	--
G280	UA	Background	02/20/2024	A7	Fluoride, total	mg/L	0.290	--	--	--
G280	UA	Background	05/06/2024	A7R	Fluoride, total	mg/L	0.300	--	--	--
G280	UA	Background	07/30/2024	A7D	Fluoride, total	mg/L	0.29 J	--	--	--
G280	UA	Background	10/30/2024	A7DR	Fluoride, total	mg/L	0.2 U	--	--	--
G280	UA	Background	08/14/2023	A6D	pH (field)	SU	7.4	--	--	--
G280	UA	Background	11/20/2023	A6DR	pH (field)	SU	7.4	--	--	--
G280	UA	Background	02/20/2024	A7	pH (field)	SU	7.4	--	--	--
G280	UA	Background	05/06/2024	A7R	pH (field)	SU	7.3	--	--	--
G280	UA	Background	07/30/2024	A7D	pH (field)	SU	7.4	--	--	--
G280	UA	Background	10/30/2024	A7DR	pH (field)	SU	7.1	--	--	--
G280	UA	Background	08/14/2023	A6D	Sulfate, total	mg/L	91.0	--	--	--
G280	UA	Background	11/20/2023	A6DR	Sulfate, total	mg/L	113	--	--	--
G280	UA	Background	02/20/2024	A7	Sulfate, total	mg/L	101	--	--	--
G280	UA	Background	05/06/2024	A7R	Sulfate, total	mg/L	96.0	--	--	--
G280	UA	Background	07/30/2024	A7D	Sulfate, total	mg/L	96.0	--	--	--
G280	UA	Background	10/30/2024	A7DR	Sulfate, total	mg/L	83.8	--	--	--
G280	UA	Background	08/14/2023	A6D	Total Dissolved Solids	mg/L	594	--	--	--
G280	UA	Background	11/20/2023	A6DR	Total Dissolved Solids	mg/L	608	--	--	--
G280	UA	Background	02/20/2024	A7	Total Dissolved Solids	mg/L	530	--	--	--
G280	UA	Background	05/06/2024	A7R	Total Dissolved Solids	mg/L	512	--	--	--
G280	UA	Background	07/30/2024	A7D	Total Dissolved Solids	mg/L	578	--	--	--
G280	UA	Background	10/30/2024	A7DR	Total Dissolved Solids	mg/L	552	--	--	--
G281	UA	Background	08/14/2023	A6D	Boron, total	mg/L	0.0092 U	--	--	--
G281	UA	Background	11/20/2023	A6DR	Boron, total	mg/L	0.0092 U	--	--	--
G281	UA	Background	02/15/2024	A7	Boron, total	mg/L	0.02 UJ	--	--	--
G281	UA	Background	05/03/2024	A7R	Boron, total	mg/L	0.0092 U	--	--	--
G281	UA	Background	07/30/2024	A7D	Boron, total	mg/L	0.0092 U	--	--	--
G281	UA	Background	10/30/2024	A7DR	Boron, total	mg/L	0.0092 U	--	--	--
G281	UA	Background	08/14/2023	A6D	Calcium, total	mg/L	137	--	--	--
G281	UA	Background	11/20/2023	A6DR	Calcium, total	mg/L	152	--	--	--

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
G281	UA	Background	02/15/2024	A7	Calcium, total	mg/L	151	--	--	--
G281	UA	Background	05/03/2024	A7R	Calcium, total	mg/L	151	--	--	--
G281	UA	Background	07/30/2024	A7D	Calcium, total	mg/L	163	--	--	--
G281	UA	Background	10/30/2024	A7DR	Calcium, total	mg/L	142	--	--	--
G281	UA	Background	08/14/2023	A6D	Chloride, total	mg/L	88.0	--	--	--
G281	UA	Background	11/20/2023	A6DR	Chloride, total	mg/L	74.0	--	--	--
G281	UA	Background	02/15/2024	A7	Chloride, total	mg/L	75.0	--	--	--
G281	UA	Background	05/03/2024	A7R	Chloride, total	mg/L	78.0	--	--	--
G281	UA	Background	07/30/2024	A7D	Chloride, total	mg/L	76.0	--	--	--
G281	UA	Background	10/30/2024	A7DR	Chloride, total	mg/L	55.9	--	--	--
G281	UA	Background	08/14/2023	A6D	Fluoride, total	mg/L	0.300 J+	--	--	--
G281	UA	Background	11/20/2023	A6DR	Fluoride, total	mg/L	0.360	--	--	--
G281	UA	Background	02/15/2024	A7	Fluoride, total	mg/L	0.270	--	--	--
G281	UA	Background	05/03/2024	A7R	Fluoride, total	mg/L	0.290	--	--	--
G281	UA	Background	07/30/2024	A7D	Fluoride, total	mg/L	0.28 J	--	--	--
G281	UA	Background	10/30/2024	A7DR	Fluoride, total	mg/L	0.2 U	--	--	--
G281	UA	Background	08/14/2023	A6D	pH (field)	SU	6.8	--	--	--
G281	UA	Background	11/20/2023	A6DR	pH (field)	SU	6.9	--	--	--
G281	UA	Background	02/15/2024	A7	pH (field)	SU	6.9	--	--	--
G281	UA	Background	05/03/2024	A7R	pH (field)	SU	7.0	--	--	--
G281	UA	Background	07/30/2024	A7D	pH (field)	SU	7.0	--	--	--
G281	UA	Background	10/30/2024	A7DR	pH (field)	SU	7.0	--	--	--
G281	UA	Background	08/14/2023	A6D	Sulfate, total	mg/L	268	--	--	--
G281	UA	Background	11/20/2023	A6DR	Sulfate, total	mg/L	293	--	--	--
G281	UA	Background	02/15/2024	A7	Sulfate, total	mg/L	289	--	--	--
G281	UA	Background	05/03/2024	A7R	Sulfate, total	mg/L	292	--	--	--
G281	UA	Background	07/30/2024	A7D	Sulfate, total	mg/L	314	--	--	--
G281	UA	Background	10/30/2024	A7DR	Sulfate, total	mg/L	317	--	--	--
G281	UA	Background	08/14/2023	A6D	Total Dissolved Solids	mg/L	930	--	--	--
G281	UA	Background	11/20/2023	A6DR	Total Dissolved Solids	mg/L	958	--	--	--
G281	UA	Background	02/15/2024	A7	Total Dissolved Solids	mg/L	850	--	--	--
G281	UA	Background	05/03/2024	A7R	Total Dissolved Solids	mg/L	890	--	--	--
G281	UA	Background	07/30/2024	A7D	Total Dissolved Solids	mg/L	996	--	--	--
G281	UA	Background	10/30/2024	A7DR	Total Dissolved Solids	mg/L	966	--	--	--
G1001	LCU	Compliance	11/14/2023	A6DR	Boron, total	mg/L	1.10	1.10	0.0220	Confirmed
G1001	LCU	Compliance	02/15/2024	A7	Boron, total	mg/L	0.980	0.980	0.0220	Reported
G1001	LCU	Compliance	05/07/2024	A7R	Boron, total	mg/L	0.823	0.823	0.0220	Confirmed
G1001	LCU	Compliance	08/02/2024	A7D	Boron, total	mg/L	1.24	1.24	0.0220	Reported
G1001	LCU	Compliance	11/07/2024	A7DR	Boron, total	mg/L	1.02	1.02	0.0220	Confirmed
G1001	LCU	Compliance	11/14/2023	A6DR	Calcium, total	mg/L	131	131	150	No Exceedance
G1001	LCU	Compliance	02/15/2024	A7	Calcium, total	mg/L	175	175	150	Exceedance Not Confirmed
G1001	LCU	Compliance	05/07/2024	A7R	Calcium, total	mg/L	130	130	150	No Exceedance
G1001	LCU	Compliance	08/02/2024	A7D	Calcium, total	mg/L	123	123	150	No Exceedance
G1001	LCU	Compliance	11/07/2024	A7DR	Calcium, total	mg/L	110	110	150	No Exceedance
G1001	LCU	Compliance	11/14/2023	A6DR	Chloride, total	mg/L	16.0	16.0	75.0	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
G1001	LCU	Compliance	02/15/2024	A7	Chloride, total	mg/L	20.0	20.0	75.0	No Exceedance
G1001	LCU	Compliance	05/07/2024	A7R	Chloride, total	mg/L	10.0	10.0	75.0	No Exceedance
G1001	LCU	Compliance	08/02/2024	A7D	Chloride, total	mg/L	9.00	9.00	75.0	No Exceedance
G1001	LCU	Compliance	11/07/2024	A7DR	Chloride, total	mg/L	7.79	7.79	75.0	No Exceedance
G1001	LCU	Compliance	11/14/2023	A6DR	Fluoride, total	mg/L	0.320	0.320	0.493	No Exceedance
G1001	LCU	Compliance	02/15/2024	A7	Fluoride, total	mg/L	0.250	0.250	0.493	No Exceedance
G1001	LCU	Compliance	05/07/2024	A7R	Fluoride, total	mg/L	0.290	0.290	0.493	No Exceedance
G1001	LCU	Compliance	08/02/2024	A7D	Fluoride, total	mg/L	0.31 J	0.5	0.493	No Exceedance
G1001	LCU	Compliance	11/07/2024	A7DR	Fluoride, total	mg/L	0.24 J	0.5	0.493	No Exceedance
G1001	LCU	Compliance	11/14/2023	A6DR	pH (field)	SU	7.0	7.0	6.7/7.3	No Exceedance
G1001	LCU	Compliance	02/15/2024	A7	pH (field)	SU	7.0	7.0	6.7/7.3	No Exceedance
G1001	LCU	Compliance	05/07/2024	A7R	pH (field)	SU	6.8	6.8	6.7/7.3	No Exceedance
G1001	LCU	Compliance	08/02/2024	A7D	pH (field)	SU	7.0	7.0	6.7/7.3	No Exceedance
G1001	LCU	Compliance	11/07/2024	A7DR	pH (field)	SU	6.9	6.9	6.7/7.3	No Exceedance
G1001	LCU	Compliance	11/14/2023	A6DR	Sulfate, total	mg/L	291	291	370	No Exceedance
G1001	LCU	Compliance	02/15/2024	A7	Sulfate, total	mg/L	349	349	370	No Exceedance
G1001	LCU	Compliance	05/07/2024	A7R	Sulfate, total	mg/L	150	150	370	No Exceedance
G1001	LCU	Compliance	08/02/2024	A7D	Sulfate, total	mg/L	146	146	370	No Exceedance
G1001	LCU	Compliance	11/07/2024	A7DR	Sulfate, total	mg/L	107	107	370	No Exceedance
G1001	LCU	Compliance	11/14/2023	A6DR	Total Dissolved Solids	mg/L	900	900	840	Confirmed
G1001	LCU	Compliance	02/15/2024	A7	Total Dissolved Solids	mg/L	1,090	1,090	840	Exceedance Not Confirmed
G1001	LCU	Compliance	05/07/2024	A7R	Total Dissolved Solids	mg/L	774	774	840	No Exceedance
G1001	LCU	Compliance	08/02/2024	A7D	Total Dissolved Solids	mg/L	738	738	840	No Exceedance
G1001	LCU	Compliance	11/07/2024	A7DR	Total Dissolved Solids	mg/L	666	666	840	No Exceedance
G401	UA	Compliance	08/11/2023	A6D	Boron, total	mg/L	4.24	4.24	0.0220	Reported
G401	UA	Compliance	11/21/2023	A6DR	Boron, total	mg/L	5.37	5.37	0.0220	Confirmed
G401	UA	Compliance	02/21/2024	A7	Boron, total	mg/L	4.17	4.17	0.0220	Reported
G401	UA	Compliance	05/02/2024	A7R	Boron, total	mg/L	1.56	1.56	0.0220	Confirmed
G401	UA	Compliance	08/02/2024	A7D	Boron, total	mg/L	5.58	5.58	0.0220	Reported
G401	UA	Compliance	11/06/2024	A7DR	Boron, total	mg/L	4.36	4.36	0.0220	Confirmed
G401	UA	Compliance	08/11/2023	A6D	Calcium, total	mg/L	509	509	150	Reported
G401	UA	Compliance	11/21/2023	A6DR	Calcium, total	mg/L	553	553	150	Confirmed
G401	UA	Compliance	02/21/2024	A7	Calcium, total	mg/L	535	535	150	Reported
G401	UA	Compliance	05/02/2024	A7R	Calcium, total	mg/L	244	244	150	Confirmed
G401	UA	Compliance	08/02/2024	A7D	Calcium, total	mg/L	533	533	150	Reported
G401	UA	Compliance	11/06/2024	A7DR	Calcium, total	mg/L	522	522	150	Confirmed
G401	UA	Compliance	08/11/2023	A6D	Chloride, total	mg/L	3 J	2	75.0	No Exceedance
G401	UA	Compliance	11/21/2023	A6DR	Chloride, total	mg/L	3 J	2	75.0	No Exceedance
G401	UA	Compliance	02/21/2024	A7	Chloride, total	mg/L	4.00 J	4.00	75.0	No Exceedance
G401	UA	Compliance	05/02/2024	A7R	Chloride, total	mg/L	6.00	6.00	75.0	No Exceedance
G401	UA	Compliance	08/02/2024	A7D	Chloride, total	mg/L	3 J	2	75.0	No Exceedance
G401	UA	Compliance	11/06/2024	A7DR	Chloride, total	mg/L	2.6 J	5	75.0	No Exceedance
G401	UA	Compliance	08/11/2023	A6D	Fluoride, total	mg/L	0.190 J+	0.190	0.493	No Exceedance
G401	UA	Compliance	11/21/2023	A6DR	Fluoride, total	mg/L	0.200	0.200	0.493	No Exceedance
G401	UA	Compliance	02/21/2024	A7	Fluoride, total	mg/L	0.180	0.180	0.493	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
G401	UA	Compliance	05/02/2024	A7R	Fluoride, total	mg/L	0.220	0.220	0.493	No Exceedance
G401	UA	Compliance	08/02/2024	A7D	Fluoride, total	mg/L	0.12 J	0.5	0.493	No Exceedance
G401	UA	Compliance	11/06/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.5	0.493	No Exceedance
G401	UA	Compliance	08/11/2023	A6D	pH (field)	SU	6.0	6.0	6.7/7.3	Reported
G401	UA	Compliance	11/21/2023	A6DR	pH (field)	SU	5.9	5.9	6.7/7.3	Confirmed
G401	UA	Compliance	02/21/2024	A7	pH (field)	SU	5.7	5.7	6.7/7.3	Reported
G401	UA	Compliance	05/02/2024	A7R	pH (field)	SU	5.9	5.9	6.7/7.3	Confirmed
G401	UA	Compliance	08/02/2024	A7D	pH (field)	SU	5.8	5.8	6.7/7.3	Reported
G401	UA	Compliance	11/06/2024	A7DR	pH (field)	SU	5.6	5.6	6.7/7.3	Confirmed
G401	UA	Compliance	08/11/2023	A6D	Sulfate, total	mg/L	1,900	1,900	370	Reported
G401	UA	Compliance	11/21/2023	A6DR	Sulfate, total	mg/L	1,980	1,980	370	Confirmed
G401	UA	Compliance	02/21/2024	A7	Sulfate, total	mg/L	2,130	2,130	370	Reported
G401	UA	Compliance	05/02/2024	A7R	Sulfate, total	mg/L	877	877	370	Confirmed
G401	UA	Compliance	08/02/2024	A7D	Sulfate, total	mg/L	1,970	1,970	370	Reported
G401	UA	Compliance	11/06/2024	A7DR	Sulfate, total	mg/L	2,170	2,170	370	Confirmed
G401	UA	Compliance	08/11/2023	A6D	Total Dissolved Solids	mg/L	3,040	3,040	840	Reported
G401	UA	Compliance	11/21/2023	A6DR	Total Dissolved Solids	mg/L	2,940	2,940	840	Confirmed
G401	UA	Compliance	02/21/2024	A7	Total Dissolved Solids	mg/L	2,890	2,890	840	Reported
G401	UA	Compliance	05/02/2024	A7R	Total Dissolved Solids	mg/L	1,270	1,270	840	Confirmed
G401	UA	Compliance	08/02/2024	A7D	Total Dissolved Solids	mg/L	2,030	2,030	840	Reported
G401	UA	Compliance	11/06/2024	A7DR	Total Dissolved Solids	mg/L	3,180	3,180	840	Confirmed
G402	UA	Compliance	08/11/2023	A6D	Boron, total	mg/L	5.71	5.71	0.0220	Reported
G402	UA	Compliance	11/21/2023	A6DR	Boron, total	mg/L	8.13	8.13	0.0220	Confirmed
G402	UA	Compliance	02/21/2024	A7	Boron, total	mg/L	4.95	4.95	0.0220	Reported
G402	UA	Compliance	05/06/2024	A7R	Boron, total	mg/L	5.20	5.20	0.0220	Confirmed
G402	UA	Compliance	08/01/2024	A7D	Boron, total	mg/L	5.73	5.73	0.0220	Reported
G402	UA	Compliance	11/04/2024	A7DR	Boron, total	mg/L	6.07	6.07	0.0220	Confirmed
G402	UA	Compliance	08/11/2023	A6D	Calcium, total	mg/L	212	212	150	Reported
G402	UA	Compliance	11/21/2023	A6DR	Calcium, total	mg/L	213	213	150	Confirmed
G402	UA	Compliance	02/21/2024	A7	Calcium, total	mg/L	205	205	150	Reported
G402	UA	Compliance	05/06/2024	A7R	Calcium, total	mg/L	208	208	150	Confirmed
G402	UA	Compliance	08/01/2024	A7D	Calcium, total	mg/L	229	229	150	Reported
G402	UA	Compliance	11/04/2024	A7DR	Calcium, total	mg/L	218	218	150	Confirmed
G402	UA	Compliance	08/11/2023	A6D	Chloride, total	mg/L	3 J	4	75.0	No Exceedance
G402	UA	Compliance	11/21/2023	A6DR	Chloride, total	mg/L	2 J	4	75.0	No Exceedance
G402	UA	Compliance	02/21/2024	A7	Chloride, total	mg/L	3 J	4	75.0	No Exceedance
G402	UA	Compliance	05/06/2024	A7R	Chloride, total	mg/L	3 J	4	75.0	No Exceedance
G402	UA	Compliance	08/01/2024	A7D	Chloride, total	mg/L	2 J	4	75.0	No Exceedance
G402	UA	Compliance	11/04/2024	A7DR	Chloride, total	mg/L	1.5 J	5	75.0	No Exceedance
G402	UA	Compliance	08/11/2023	A6D	Fluoride, total	mg/L	0.340 J+	0.340	0.493	No Exceedance
G402	UA	Compliance	11/21/2023	A6DR	Fluoride, total	mg/L	0.340	0.340	0.493	No Exceedance
G402	UA	Compliance	02/21/2024	A7	Fluoride, total	mg/L	0.280	0.280	0.493	No Exceedance
G402	UA	Compliance	05/06/2024	A7R	Fluoride, total	mg/L	0.310	0.310	0.493	No Exceedance
G402	UA	Compliance	08/01/2024	A7D	Fluoride, total	mg/L	0.29 J	0.5	0.493	No Exceedance
G402	UA	Compliance	11/04/2024	A7DR	Fluoride, total	mg/L	0.22 J	0.5	0.493	No Exceedance
G402	UA	Compliance	08/11/2023	A6D	pH (field)	SU	7.3	7.3	6.7/7.3	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
G402	UA	Compliance	11/21/2023	A6DR	pH (field)	SU	6.7	6.7	6.7/7.3	No Exceedance
G402	UA	Compliance	02/21/2024	A7	pH (field)	SU	6.8	6.8	6.7/7.3	No Exceedance
G402	UA	Compliance	05/06/2024	A7R	pH (field)	SU	7.0	7.0	6.7/7.3	No Exceedance
G402	UA	Compliance	08/01/2024	A7D	pH (field)	SU	7.0	7.0	6.7/7.3	No Exceedance
G402	UA	Compliance	11/04/2024	A7DR	pH (field)	SU	7.0	7.0	6.7/7.3	No Exceedance
G402	UA	Compliance	08/11/2023	A6D	Sulfate, total	mg/L	601	601	370	Reported
G402	UA	Compliance	11/21/2023	A6DR	Sulfate, total	mg/L	599	599	370	Confirmed
G402	UA	Compliance	02/21/2024	A7	Sulfate, total	mg/L	607	607	370	Reported
G402	UA	Compliance	05/06/2024	A7R	Sulfate, total	mg/L	594	594	370	Confirmed
G402	UA	Compliance	08/01/2024	A7D	Sulfate, total	mg/L	588	588	370	Reported
G402	UA	Compliance	11/04/2024	A7DR	Sulfate, total	mg/L	606	606	370	Confirmed
G402	UA	Compliance	08/11/2023	A6D	Total Dissolved Solids	mg/L	1,340	1,340	840	Reported
G402	UA	Compliance	11/21/2023	A6DR	Total Dissolved Solids	mg/L	1,360	1,360	840	Confirmed
G402	UA	Compliance	02/21/2024	A7	Total Dissolved Solids	mg/L	1,260	1,260	840	Reported
G402	UA	Compliance	05/06/2024	A7R	Total Dissolved Solids	mg/L	1,370	1,370	840	Confirmed
G402	UA	Compliance	08/01/2024	A7D	Total Dissolved Solids	mg/L	1,350	1,350	840	Reported
G402	UA	Compliance	11/04/2024	A7DR	Total Dissolved Solids	mg/L	1,360	1,360	840	Confirmed
G403	UA	Compliance	08/11/2023	A6D	Boron, total	mg/L	0.0287 J+	0.0287	0.0220	Exceedance Not Confirmed
G403	UA	Compliance	11/20/2023	A6DR	Boron, total	mg/L	0.0200 J	0.0200	0.0220	No Exceedance
G403	UA	Compliance	02/21/2024	A7	Boron, total	mg/L	0.0426 J+	0.0426	0.0220	Exceedance Not Confirmed
G403	UA	Compliance	05/06/2024	A7R	Boron, total	mg/L	0.0092 U	0.02	0.0220	No Exceedance
G403	UA	Compliance	08/01/2024	A7D	Boron, total	mg/L	0.0255	0.0255	0.0220	Reported
G403	UA	Compliance	11/04/2024	A7DR	Boron, total	mg/L	0.0092 U	0.02	0.0220	No Exceedance
G403	UA	Compliance	08/11/2023	A6D	Calcium, total	mg/L	77.7	77.7	150	No Exceedance
G403	UA	Compliance	11/20/2023	A6DR	Calcium, total	mg/L	85.9	85.9	150	No Exceedance
G403	UA	Compliance	02/21/2024	A7	Calcium, total	mg/L	79.2	79.2	150	No Exceedance
G403	UA	Compliance	05/06/2024	A7R	Calcium, total	mg/L	83.2	83.2	150	No Exceedance
G403	UA	Compliance	08/01/2024	A7D	Calcium, total	mg/L	91.2	91.2	150	No Exceedance
G403	UA	Compliance	11/04/2024	A7DR	Calcium, total	mg/L	81.6	81.6	150	No Exceedance
G403	UA	Compliance	08/11/2023	A6D	Chloride, total	mg/L	5.00	5.00	75.0	No Exceedance
G403	UA	Compliance	11/20/2023	A6DR	Chloride, total	mg/L	5.00	5.00	75.0	No Exceedance
G403	UA	Compliance	02/21/2024	A7	Chloride, total	mg/L	7.00	7.00	75.0	No Exceedance
G403	UA	Compliance	05/06/2024	A7R	Chloride, total	mg/L	7.00	7.00	75.0	No Exceedance
G403	UA	Compliance	08/01/2024	A7D	Chloride, total	mg/L	6.00	6.00	75.0	No Exceedance
G403	UA	Compliance	11/04/2024	A7DR	Chloride, total	mg/L	6.00	6.00	75.0	No Exceedance
G403	UA	Compliance	08/11/2023	A6D	Fluoride, total	mg/L	0.310 J+	0.310	0.493	No Exceedance
G403	UA	Compliance	11/20/2023	A6DR	Fluoride, total	mg/L	0.340	0.340	0.493	No Exceedance
G403	UA	Compliance	02/21/2024	A7	Fluoride, total	mg/L	0.320	0.320	0.493	No Exceedance
G403	UA	Compliance	05/06/2024	A7R	Fluoride, total	mg/L	0.300	0.300	0.493	No Exceedance
G403	UA	Compliance	08/01/2024	A7D	Fluoride, total	mg/L	0.27 J	0.25	0.493	No Exceedance
G403	UA	Compliance	11/04/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.5	0.493	No Exceedance
G403	UA	Compliance	08/11/2023	A6D	pH (field)	SU	7.1	7.1	6.7/7.3	No Exceedance
G403	UA	Compliance	11/20/2023	A6DR	pH (field)	SU	6.9	6.9	6.7/7.3	No Exceedance
G403	UA	Compliance	02/21/2024	A7	pH (field)	SU	6.9	6.9	6.7/7.3	No Exceedance
G403	UA	Compliance	05/06/2024	A7R	pH (field)	SU	6.8	6.8	6.7/7.3	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
G403	UA	Compliance	08/01/2024	A7D	pH (field)	SU	6.8	6.8	6.7/7.3	No Exceedance
G403	UA	Compliance	11/04/2024	A7DR	pH (field)	SU	6.7	6.7	6.7/7.3	No Exceedance
G403	UA	Compliance	08/11/2023	A6D	Sulfate, total	mg/L	60.0 J	60.0	370	No Exceedance
G403	UA	Compliance	11/20/2023	A6DR	Sulfate, total	mg/L	74.0	74.0	370	No Exceedance
G403	UA	Compliance	02/21/2024	A7	Sulfate, total	mg/L	83.0	83.0	370	No Exceedance
G403	UA	Compliance	05/06/2024	A7R	Sulfate, total	mg/L	87.0	87.0	370	No Exceedance
G403	UA	Compliance	08/01/2024	A7D	Sulfate, total	mg/L	87.0	87.0	370	No Exceedance
G403	UA	Compliance	11/04/2024	A7DR	Sulfate, total	mg/L	75.3	75.3	370	No Exceedance
G403	UA	Compliance	08/11/2023	A6D	Total Dissolved Solids	mg/L	412	412	840	No Exceedance
G403	UA	Compliance	11/20/2023	A6DR	Total Dissolved Solids	mg/L	508	508	840	No Exceedance
G403	UA	Compliance	02/21/2024	A7	Total Dissolved Solids	mg/L	380	380	840	No Exceedance
G403	UA	Compliance	05/06/2024	A7R	Total Dissolved Solids	mg/L	458	458	840	No Exceedance
G403	UA	Compliance	08/01/2024	A7D	Total Dissolved Solids	mg/L	436	436	840	No Exceedance
G403	UA	Compliance	11/04/2024	A7DR	Total Dissolved Solids	mg/L	474	474	840	No Exceedance
G404	UA	Compliance	08/14/2023	A6D	Boron, total	mg/L	14.4	14.4	0.0220	Reported
G404	UA	Compliance	11/21/2023	A6DR	Boron, total	mg/L	21.2	21.2	0.0220	Confirmed
G404	UA	Compliance	02/21/2024	A7	Boron, total	mg/L	3.65	3.65	0.0220	Reported
G404	UA	Compliance	05/06/2024	A7R	Boron, total	mg/L	4.62	4.62	0.0220	Confirmed
G404	UA	Compliance	07/31/2024	A7D	Boron, total	mg/L	5.03	5.03	0.0220	Reported
G404	UA	Compliance	11/04/2024	A7DR	Boron, total	mg/L	12.0	12.0	0.0220	Confirmed
G404	UA	Compliance	08/14/2023	A6D	Calcium, total	mg/L	216	216	150	Reported
G404	UA	Compliance	11/21/2023	A6DR	Calcium, total	mg/L	273	273	150	Confirmed
G404	UA	Compliance	02/21/2024	A7	Calcium, total	mg/L	121	121	150	No Exceedance
G404	UA	Compliance	05/06/2024	A7R	Calcium, total	mg/L	131	131	150	No Exceedance
G404	UA	Compliance	07/31/2024	A7D	Calcium, total	mg/L	160	160	150	Reported
G404	UA	Compliance	11/04/2024	A7DR	Calcium, total	mg/L	222	222	150	Confirmed
G404	UA	Compliance	08/14/2023	A6D	Chloride, total	mg/L	73.0	73.0	75.0	No Exceedance
G404	UA	Compliance	11/21/2023	A6DR	Chloride, total	mg/L	71.0	71.0	75.0	No Exceedance
G404	UA	Compliance	02/21/2024	A7	Chloride, total	mg/L	72.0	72.0	75.0	No Exceedance
G404	UA	Compliance	05/06/2024	A7R	Chloride, total	mg/L	63.0	63.0	75.0	No Exceedance
G404	UA	Compliance	07/31/2024	A7D	Chloride, total	mg/L	64.0	64.0	75.0	No Exceedance
G404	UA	Compliance	11/04/2024	A7DR	Chloride, total	mg/L	85.9	85.9	75.0	Exceedance Not Confirmed
G404	UA	Compliance	08/14/2023	A6D	Fluoride, total	mg/L	0.180 J+	0.180	0.493	No Exceedance
G404	UA	Compliance	11/21/2023	A6DR	Fluoride, total	mg/L	0.190	0.190	0.493	No Exceedance
G404	UA	Compliance	02/21/2024	A7	Fluoride, total	mg/L	0.200	0.200	0.493	No Exceedance
G404	UA	Compliance	05/06/2024	A7R	Fluoride, total	mg/L	0.180	0.180	0.493	No Exceedance
G404	UA	Compliance	07/31/2024	A7D	Fluoride, total	mg/L	0.19 J	0.5	0.493	No Exceedance
G404	UA	Compliance	11/04/2024	A7DR	Fluoride, total	mg/L	0.2 U	0.5	0.493	No Exceedance
G404	UA	Compliance	08/14/2023	A6D	pH (field)	SU	6.8	6.8	6.7/7.3	No Exceedance
G404	UA	Compliance	11/21/2023	A6DR	pH (field)	SU	6.7	6.7	6.7/7.3	No Exceedance
G404	UA	Compliance	02/21/2024	A7	pH (field)	SU	6.8	6.8	6.7/7.3	No Exceedance
G404	UA	Compliance	05/06/2024	A7R	pH (field)	SU	6.8	6.8	6.7/7.3	No Exceedance
G404	UA	Compliance	07/31/2024	A7D	pH (field)	SU	6.7	6.7	6.7/7.3	No Exceedance
G404	UA	Compliance	11/04/2024	A7DR	pH (field)	SU	6.4	6.4	6.7/7.3	Exceedance Not Confirmed
G404	UA	Compliance	08/14/2023	A6D	Sulfate, total	mg/L	678	678	370	Reported

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
G404	UA	Compliance	11/21/2023	A6DR	Sulfate, total	mg/L	647	647	370	Confirmed
G404	UA	Compliance	02/21/2024	A7	Sulfate, total	mg/L	287	287	370	No Exceedance
G404	UA	Compliance	05/06/2024	A7R	Sulfate, total	mg/L	332	332	370	No Exceedance
G404	UA	Compliance	07/31/2024	A7D	Sulfate, total	mg/L	356	356	370	No Exceedance
G404	UA	Compliance	11/04/2024	A7DR	Sulfate, total	mg/L	693	693	370	Exceedance Not Confirmed
G404	UA	Compliance	08/14/2023	A6D	Total Dissolved Solids	mg/L	1,600	1,600	840	Reported
G404	UA	Compliance	11/21/2023	A6DR	Total Dissolved Solids	mg/L	1,370	1,370	840	Confirmed
G404	UA	Compliance	02/21/2024	A7	Total Dissolved Solids	mg/L	812	812	840	No Exceedance
G404	UA	Compliance	05/06/2024	A7R	Total Dissolved Solids	mg/L	826	826	840	No Exceedance
G404	UA	Compliance	07/31/2024	A7D	Total Dissolved Solids	mg/L	1,010	1,010	840	Reported
G404	UA	Compliance	11/04/2024	A7DR	Total Dissolved Solids	mg/L	1,480	1,480	840	Confirmed
G405	UA	Compliance	08/11/2023	A6D	Boron, total	mg/L	10.8	10.8	0.0220	Reported
G405	UA	Compliance	11/21/2023	A6DR	Boron, total	mg/L	15.4	15.4	0.0220	Confirmed
G405	UA	Compliance	02/21/2024	A7	Boron, total	mg/L	8.69	8.69	0.0220	Reported
G405	UA	Compliance	05/06/2024	A7R	Boron, total	mg/L	9.23	9.23	0.0220	Confirmed
G405	UA	Compliance	07/31/2024	A7D	Boron, total	mg/L	10.1	10.1	0.0220	Reported
G405	UA	Compliance	11/04/2024	A7DR	Boron, total	mg/L	10.7	10.7	0.0220	Confirmed
G405	UA	Compliance	08/11/2023	A6D	Calcium, total	mg/L	253	253	150	Reported
G405	UA	Compliance	11/21/2023	A6DR	Calcium, total	mg/L	248	248	150	Confirmed
G405	UA	Compliance	02/21/2024	A7	Calcium, total	mg/L	232	232	150	Reported
G405	UA	Compliance	05/06/2024	A7R	Calcium, total	mg/L	251	251	150	Confirmed
G405	UA	Compliance	07/31/2024	A7D	Calcium, total	mg/L	269	269	150	Reported
G405	UA	Compliance	11/04/2024	A7DR	Calcium, total	mg/L	253	253	150	Confirmed
G405	UA	Compliance	08/11/2023	A6D	Chloride, total	mg/L	14.0	14.0	75.0	No Exceedance
G405	UA	Compliance	11/21/2023	A6DR	Chloride, total	mg/L	17.0	17.0	75.0	No Exceedance
G405	UA	Compliance	02/21/2024	A7	Chloride, total	mg/L	18.0	18.0	75.0	No Exceedance
G405	UA	Compliance	05/06/2024	A7R	Chloride, total	mg/L	17.0	17.0	75.0	No Exceedance
G405	UA	Compliance	07/31/2024	A7D	Chloride, total	mg/L	23.0	23.0	75.0	No Exceedance
G405	UA	Compliance	11/04/2024	A7DR	Chloride, total	mg/L	23.7	23.7	75.0	No Exceedance
G405	UA	Compliance	08/11/2023	A6D	Fluoride, total	mg/L	0.420 J+	0.420	0.493	No Exceedance
G405	UA	Compliance	11/21/2023	A6DR	Fluoride, total	mg/L	0.470	0.470	0.493	No Exceedance
G405	UA	Compliance	02/21/2024	A7	Fluoride, total	mg/L	0.370	0.370	0.493	No Exceedance
G405	UA	Compliance	05/06/2024	A7R	Fluoride, total	mg/L	0.430	0.430	0.493	No Exceedance
G405	UA	Compliance	07/31/2024	A7D	Fluoride, total	mg/L	0.4 J	0.25	0.493	No Exceedance
G405	UA	Compliance	11/04/2024	A7DR	Fluoride, total	mg/L	0.34 J	0.5	0.493	No Exceedance
G405	UA	Compliance	08/11/2023	A6D	pH (field)	SU	7.1	7.1	6.7/7.3	No Exceedance
G405	UA	Compliance	11/21/2023	A6DR	pH (field)	SU	7.0	7.0	6.7/7.3	No Exceedance
G405	UA	Compliance	02/21/2024	A7	pH (field)	SU	6.8	6.8	6.7/7.3	No Exceedance
G405	UA	Compliance	05/06/2024	A7R	pH (field)	SU	7.0	7.0	6.7/7.3	No Exceedance
G405	UA	Compliance	07/31/2024	A7D	pH (field)	SU	6.9	6.9	6.7/7.3	No Exceedance
G405	UA	Compliance	11/04/2024	A7DR	pH (field)	SU	6.7	6.7	6.7/7.3	No Exceedance
G405	UA	Compliance	08/11/2023	A6D	Sulfate, total	mg/L	916	916	370	Reported
G405	UA	Compliance	11/21/2023	A6DR	Sulfate, total	mg/L	897	897	370	Confirmed
G405	UA	Compliance	02/21/2024	A7	Sulfate, total	mg/L	1,000	1,000	370	Reported
G405	UA	Compliance	05/06/2024	A7R	Sulfate, total	mg/L	886	886	370	Confirmed

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
G405	UA	Compliance	07/31/2024	A7D	Sulfate, total	mg/L	965	965	370	Reported
G405	UA	Compliance	11/04/2024	A7DR	Sulfate, total	mg/L	994	994	370	Confirmed
G405	UA	Compliance	08/11/2023	A6D	Total Dissolved Solids	mg/L	1,790	1,790	840	Reported
G405	UA	Compliance	11/21/2023	A6DR	Total Dissolved Solids	mg/L	1,610	1,610	840	Confirmed
G405	UA	Compliance	02/21/2024	A7	Total Dissolved Solids	mg/L	1,750	1,750	840	Reported
G405	UA	Compliance	05/06/2024	A7R	Total Dissolved Solids	mg/L	1,460	1,460	840	Confirmed
G405	UA	Compliance	07/31/2024	A7D	Total Dissolved Solids	mg/L	1,740	1,740	840	Reported
G405	UA	Compliance	11/04/2024	A7DR	Total Dissolved Solids	mg/L	1,820	1,820	840	Confirmed
G406	UA	Compliance	08/11/2023	A6D	Boron, total	mg/L	1.54	1.54	0.0220	Reported
G406	UA	Compliance	11/20/2023	A6DR	Boron, total	mg/L	2.29	2.29	0.0220	Confirmed
G406	UA	Compliance	02/21/2024	A7	Boron, total	mg/L	1.66	1.66	0.0220	Reported
G406	UA	Compliance	05/06/2024	A7R	Boron, total	mg/L	1.36	1.36	0.0220	Confirmed
G406	UA	Compliance	08/01/2024	A7D	Boron, total	mg/L	2.11	2.11	0.0220	Reported
G406	UA	Compliance	11/04/2024	A7DR	Boron, total	mg/L	1.53	1.53	0.0220	Confirmed
G406	UA	Compliance	08/11/2023	A6D	Calcium, total	mg/L	193	193	150	Reported
G406	UA	Compliance	11/20/2023	A6DR	Calcium, total	mg/L	206	206	150	Confirmed
G406	UA	Compliance	02/21/2024	A7	Calcium, total	mg/L	192	192	150	Reported
G406	UA	Compliance	05/06/2024	A7R	Calcium, total	mg/L	192	192	150	Confirmed
G406	UA	Compliance	08/01/2024	A7D	Calcium, total	mg/L	219	219	150	Reported
G406	UA	Compliance	11/04/2024	A7DR	Calcium, total	mg/L	195	195	150	Confirmed
G406	UA	Compliance	08/11/2023	A6D	Chloride, total	mg/L	4.00 J	4.00	75.0	No Exceedance
G406	UA	Compliance	11/20/2023	A6DR	Chloride, total	mg/L	5.00	5.00	75.0	No Exceedance
G406	UA	Compliance	02/21/2024	A7	Chloride, total	mg/L	4.00 J	4.00	75.0	No Exceedance
G406	UA	Compliance	05/06/2024	A7R	Chloride, total	mg/L	4.00	4.00	75.0	No Exceedance
G406	UA	Compliance	08/01/2024	A7D	Chloride, total	mg/L	4.00 J	4.00	75.0	No Exceedance
G406	UA	Compliance	11/04/2024	A7DR	Chloride, total	mg/L	3.4 J	5	75.0	No Exceedance
G406	UA	Compliance	08/11/2023	A6D	Fluoride, total	mg/L	0.330 J+	0.330	0.493	No Exceedance
G406	UA	Compliance	11/20/2023	A6DR	Fluoride, total	mg/L	0.320	0.320	0.493	No Exceedance
G406	UA	Compliance	02/21/2024	A7	Fluoride, total	mg/L	0.330	0.330	0.493	No Exceedance
G406	UA	Compliance	05/06/2024	A7R	Fluoride, total	mg/L	0.340	0.340	0.493	No Exceedance
G406	UA	Compliance	08/01/2024	A7D	Fluoride, total	mg/L	0.3 J	0.5	0.493	No Exceedance
G406	UA	Compliance	11/04/2024	A7DR	Fluoride, total	mg/L	0.21 J	0.5	0.493	No Exceedance
G406	UA	Compliance	08/11/2023	A6D	pH (field)	SU	6.7	6.7	6.7/7.3	No Exceedance
G406	UA	Compliance	11/20/2023	A6DR	pH (field)	SU	6.6	6.6	6.7/7.3	Exceedance Not Confirmed
G406	UA	Compliance	02/21/2024	A7	pH (field)	SU	6.6	6.6	6.7/7.3	Exceedance Not Confirmed
G406	UA	Compliance	05/06/2024	A7R	pH (field)	SU	6.7	6.7	6.7/7.3	No Exceedance
G406	UA	Compliance	08/01/2024	A7D	pH (field)	SU	6.6	6.6	6.7/7.3	Reported
G406	UA	Compliance	11/04/2024	A7DR	pH (field)	SU	6.4	6.4	6.7/7.3	Confirmed
G406	UA	Compliance	08/11/2023	A6D	Sulfate, total	mg/L	482	482	370	Reported
G406	UA	Compliance	11/20/2023	A6DR	Sulfate, total	mg/L	450	450	370	Confirmed
G406	UA	Compliance	02/21/2024	A7	Sulfate, total	mg/L	496	496	370	Reported
G406	UA	Compliance	05/06/2024	A7R	Sulfate, total	mg/L	474	474	370	Confirmed
G406	UA	Compliance	08/01/2024	A7D	Sulfate, total	mg/L	528	528	370	Reported
G406	UA	Compliance	11/04/2024	A7DR	Sulfate, total	mg/L	508	508	370	Confirmed
G406	UA	Compliance	08/11/2023	A6D	Total Dissolved Solids	mg/L	1,070	1,070	840	Reported

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
G406	UA	Compliance	11/20/2023	A6DR	Total Dissolved Solids	mg/L	1,060	1,060	840	Confirmed
G406	UA	Compliance	02/21/2024	A7	Total Dissolved Solids	mg/L	1,080	1,080	840	Reported
G406	UA	Compliance	05/06/2024	A7R	Total Dissolved Solids	mg/L	1,030	1,030	840	Confirmed
G406	UA	Compliance	08/01/2024	A7D	Total Dissolved Solids	mg/L	1,070	1,070	840	Reported
G406	UA	Compliance	11/04/2024	A7DR	Total Dissolved Solids	mg/L	1,060	1,060	840	Confirmed
G407	UA	Compliance	08/10/2023	A6D	Boron, total	mg/L	0.0614 J+	0.0614	0.0220	Reported
G407	UA	Compliance	11/20/2023	A6DR	Boron, total	mg/L	0.139	0.139	0.0220	Confirmed
G407	UA	Compliance	02/20/2024	A7	Boron, total	mg/L	0.0949 J+	0.0949	0.0220	Reported
G407	UA	Compliance	04/29/2024	A7R	Boron, total	mg/L	0.0601	0.0601	0.0220	Confirmed
G407	UA	Compliance	08/01/2024	A7D	Boron, total	mg/L	0.0790	0.0790	0.0220	Reported
G407	UA	Compliance	11/04/2024	A7DR	Boron, total	mg/L	0.0917	0.0917	0.0220	Confirmed
G407	UA	Compliance	08/10/2023	A6D	Calcium, total	mg/L	230	230	150	Reported
G407	UA	Compliance	11/20/2023	A6DR	Calcium, total	mg/L	397	397	150	Confirmed
G407	UA	Compliance	02/20/2024	A7	Calcium, total	mg/L	285	285	150	Reported
G407	UA	Compliance	04/29/2024	A7R	Calcium, total	mg/L	246	246	150	Confirmed
G407	UA	Compliance	08/01/2024	A7D	Calcium, total	mg/L	257	257	150	Reported
G407	UA	Compliance	11/04/2024	A7DR	Calcium, total	mg/L	265	265	150	Confirmed
G407	UA	Compliance	08/10/2023	A6D	Chloride, total	mg/L	11.0	11.0	75.0	No Exceedance
G407	UA	Compliance	11/20/2023	A6DR	Chloride, total	mg/L	12.0	12.0	75.0	No Exceedance
G407	UA	Compliance	02/20/2024	A7	Chloride, total	mg/L	12.0	12.0	75.0	No Exceedance
G407	UA	Compliance	04/29/2024	A7R	Chloride, total	mg/L	11.0	11.0	75.0	No Exceedance
G407	UA	Compliance	08/01/2024	A7D	Chloride, total	mg/L	11.0	11.0	75.0	No Exceedance
G407	UA	Compliance	11/04/2024	A7DR	Chloride, total	mg/L	10.0	10.0	75.0	No Exceedance
G407	UA	Compliance	08/10/2023	A6D	Fluoride, total	mg/L	0.320 J+	0.320	0.493	No Exceedance
G407	UA	Compliance	11/20/2023	A6DR	Fluoride, total	mg/L	0.330	0.330	0.493	No Exceedance
G407	UA	Compliance	02/20/2024	A7	Fluoride, total	mg/L	0.280	0.280	0.493	No Exceedance
G407	UA	Compliance	04/29/2024	A7R	Fluoride, total	mg/L	0.310	0.310	0.493	No Exceedance
G407	UA	Compliance	08/01/2024	A7D	Fluoride, total	mg/L	0.3 J	0.5	0.493	No Exceedance
G407	UA	Compliance	11/04/2024	A7DR	Fluoride, total	mg/L	0.23 J	0.5	0.493	No Exceedance
G407	UA	Compliance	08/10/2023	A6D	pH (field)	SU	6.8	6.8	6.7/7.3	No Exceedance
G407	UA	Compliance	11/20/2023	A6DR	pH (field)	SU	6.6	6.6	6.7/7.3	Exceedance Not Confirmed
G407	UA	Compliance	02/20/2024	A7	pH (field)	SU	6.8	6.8	6.7/7.3	No Exceedance
G407	UA	Compliance	04/29/2024	A7R	pH (field)	SU	6.7	6.7	6.7/7.3	No Exceedance
G407	UA	Compliance	08/01/2024	A7D	pH (field)	SU	6.8	6.8	6.7/7.3	No Exceedance
G407	UA	Compliance	11/04/2024	A7DR	pH (field)	SU	6.6	6.6	6.7/7.3	Exceedance Not Confirmed
G407	UA	Compliance	08/10/2023	A6D	Sulfate, total	mg/L	956	956	370	Reported
G407	UA	Compliance	11/20/2023	A6DR	Sulfate, total	mg/L	1,010	1,010	370	Confirmed
G407	UA	Compliance	02/20/2024	A7	Sulfate, total	mg/L	1,130	1,130	370	Reported
G407	UA	Compliance	04/29/2024	A7R	Sulfate, total	mg/L	966	966	370	Confirmed
G407	UA	Compliance	08/01/2024	A7D	Sulfate, total	mg/L	952	952	370	Reported
G407	UA	Compliance	11/04/2024	A7DR	Sulfate, total	mg/L	977	977	370	Confirmed
G407	UA	Compliance	08/10/2023	A6D	Total Dissolved Solids	mg/L	1,870	1,870	840	Reported
G407	UA	Compliance	11/20/2023	A6DR	Total Dissolved Solids	mg/L	2,010	2,010	840	Confirmed
G407	UA	Compliance	02/20/2024	A7	Total Dissolved Solids	mg/L	1,900 J-	1,900	840	Reported
G407	UA	Compliance	04/29/2024	A7R	Total Dissolved Solids	mg/L	1,910	1,910	840	Confirmed

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
G407	UA	Compliance	08/01/2024	A7D	Total Dissolved Solids	mg/L	1,770	1,770	840	Reported
G407	UA	Compliance	11/04/2024	A7DR	Total Dissolved Solids	mg/L	1,830	1,830	840	Confirmed

Notes:
-- = not applicable
Comparison Value is different from the Result when the Result is below the Reporting Limit (RL). The Result will not be used in statistical calculations due to the inherent uncertainty in results that are below the RL. Half of the RL will be substituted for these data. See the *Multi-Site Statistical Analysis Plan* (Ramboll, 2022a) for more information.
Event IDs:
A6D = Quarter 3, 2023 Corrective Action Monitoring sampling event
A6DR = Quarter 4, 2023 Corrective Action Monitoring resampling event
A7 = Quarter 1, 2024 Corrective Action Monitoring sampling event
A7D = Quarter 3, 2024 Corrective Action Monitoring sampling event
A7DR = Quarter 4, 2024 Corrective Action Monitoring resampling event
A7R = Quarter 2, 2024 Corrective Action Monitoring resampling event
HSU = hydrostratigraphic unit:
LCU = Lower Confining Unit
UA = Uppermost Aquifer
ID = identification
mg/L = milligrams per liter
Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:
J- = The result is an estimated quantity, but the result may be biased low.
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
Statistically Significant Increase (SSI) Type:
No Exceedance: No exceedance of the background.
Exceedance Not Confirmed: An exceedance was determined in the parent event, a resample was collected, and the resample did not confirm the exceedance; or an exceedance was not determined in the parent event but a subsequent sample collected exhibited a concentration higher than background.
Reported: An exceedance in the parent event was observed and reported.
Confirmed: A resample confirmed an observed exceedance in the parent event.
SU = Standard Units

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TABLE 3
ANALYTICAL RESULTS - APPENDIX IV PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Date	Event ID	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Fluoride, total (mg/L)	Lead, total (mg/L)	Lithium, total (mg/L)	Mercury, total (mg/L)	Molybdenum, total (mg/L)	Radium 226 + 228 (pCi/L)	Selenium, total (mg/L)	Thallium, total (mg/L)
G270	B	11/17/2023	A6DR	0.0004 U	0.0005 J	0.0649	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.380	0.0006 U	0.00310	0.00006 U	0.0011 J	1.06	0.0006 U	0.001 U
G270	B	02/19/2024	A7	0.0007 U	0.00150 J+	0.0631	0.0002 U	0.0002 U	0.00480 J+	0.00140 J+	0.340	0.00200	0.00480	0.00006 U	0.0015 UJ	0.245	0.0007 J	0.001 U
G270	B	05/08/2024	A7R	0.0009 J	0.001 UJ	0.0388	0.0002 U	0.0002 U	0.0015 UJ	0.0001 J	0.360	0.0006 U	0.0022 J	0.00006 U	0.0015 UJ	0.160	0.001 UJ	0.001 U
G270	B	08/07/2024	A7D	0.0004 U	0.0009 J	0.0478	0.0002 U	0.0002 U	0.00190	0.0007 J	0.31 J	0.0008 J	0.00360	0.00006 U	0.0011 J	0.160	0.0006 U	0.001 U
G270	B	10/29/2024	A7DR	0.0004 U	0.0008 J	0.0631	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.2 J	0.0006 U	0.00470	0.00006 U	0.00170	0.295	0.0006 U	0.001 U
G280	B	11/20/2023	A6DR	0.0005 U	0.0005 J	0.0611	0.0002 U	0.0002 U	0.0015 UJ	0.0002 J	0.330	0.0006 U	0.00540	0.00006 U	0.00240	0.655	0.00130	0.001 U
G280	B	02/20/2024	A7	0.0004 U	0.001 UJ	0.0641	0.0002 U	0.0002 U	0.00300 J+	0.001 UJ	0.290	0.00110	0.00500	0.00006 U	0.0015 UJ	1.88	0.0007 J	0.001 U
G280	B	05/06/2024	A7R	0.0006 J	0.0006 J	0.0496	0.0002 U	0.0002 U	0.00240 J+	0.0005 J	0.300	0.0007 J	0.00470	0.00006 U	0.001 J	0.729	0.0006 U	0.001 U
G280	B	07/30/2024	A7D	0.0004 U	0.0004 U	0.0515	0.0002 U	0.0002 U	0.0007 U	0.0001 U	0.29 J	0.0006 U	0.00390	0.00006 U	0.0008 J	0.301	0.0006 U	0.001 U
G280	B	10/30/2024	A7DR	0.0004 U	0.0004 J	0.0484	0.0002 U	0.0002 U	0.0009 J	0.0003 J	0.2 U	0.0006 U	0.00420	0.00006 U	0.0009 J	0.0509	0.0006 U	0.001 U
G281	B	11/20/2023	A6DR	0.0005 U	0.0005 J	0.0651	0.0002 U	0.0002 U	0.0015 UJ	0.0006 J	0.360	0.0006 U	0.00440	0.00006 U	0.0008 J	4.19	0.0006 U	0.001 U
G281	B	02/15/2024	A7	0.0004 U	0.001 UJ	0.0785	0.0002 U	0.0002 U	0.00310 J+	0.001 UJ	0.270	0.00120	0.00600	0.00008 U	0.0006 U	2.04	0.0006 U	0.001 U
G281	B	05/03/2024	A7R	0.0006 U	0.0006 J	0.0703	0.0002 U	0.0002 U	0.00170 J+	0.0004 J	0.290	0.0006 U	0.00480	0.00006 UJ	0.0009 J	0.151	0.0006 U	0.001 U
G281	B	07/30/2024	A7D	0.0004 U	0.00120	0.0848	0.0002 U	0.0002 U	0.00360	0.0008 J	0.28 J	0.00110	0.00700	0.00006 U	0.001 J	0.667	0.0006 U	0.0011 J
G281	B	10/30/2024	A7DR	0.0004 U	0.0005 J	0.0687	0.0002 U	0.0002 U	0.0007 U	0.0006 J	0.2 U	0.0006 U	0.00490	0.00006 U	0.0011 J	0.219	0.0006 U	0.001 U
G1001	C	11/14/2023	A6DR	0.00490	0.00150	0.0917	0.0002 U	0.0002 U	0.00280 J+	0.00190	0.320	0.00110	0.0105	0.00006 U	0.00840	1.32	0.0006 U	0.001 U
G1001	C	02/15/2024	A7	0.0004 U	0.0004 U	0.0593	0.0002 U	0.0002 U	0.0015 UJ	0.001 UJ	0.250	0.0006 U	0.00910	0.00008 U	0.00280 J+	0.651	0.0006 U	0.001 U
G1001	C	05/07/2024	A7R	0.0009 J	0.0007 J	0.0473	0.0002 U	0.0002 U	0.00240 J+	0.0002 J	0.290	0.0006 U	0.00780	0.00006 U	0.00690	0.470	0.0006 U	0.001 U
G1001	C	08/02/2024	A7D	0.00100 J	0.0008 J	0.0505	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.31 J	0.0006 U	0.0134	0.00006 U	0.00560	1.27	0.0006 U	0.001 U
G1001	C	11/07/2024	A7DR	0.00160	0.0004 U	0.0787	0.0002 U	0.0002 U	0.0007 U	0.0002 J	0.24 J	0.0006 U	0.00920	0.00006 U	0.00580	1.50	0.0006 U	0.001 U
G401	C	11/21/2023	A6DR	0.0004 U	0.00160	0.0132	0.0002 U	0.0003 J	0.0007 U	0.206	0.200	0.0006 U	0.0329	0.00006 U	0.0008 U	8.66	0.0006 U	0.001 U
G401	C	02/21/2024	A7	0.0004 U	0.00110 J+	0.00960 J+	0.0002 U	0.001 UJ	0.0008 U	0.159	0.180	0.0006 U	0.0249	0.00006 U	0.0006 U	0.211	0.0006 U	0.001 U
G401	C	05/02/2024	A7R	0.0006 U	0.0004 U	0.0134	0.0002 U	0.0002 J	0.0015 UJ	0.0469	0.220	0.0006 U	0.0172	0.00006 U	0.0006 U	0.317	0.0006 U	0.001 U
G401	C	08/02/2024	A7D	0.0004 U	0.00100	0.0102	0.0002 U	0.0004 J	0.0007 U	0.174	0.12 J	0.0006 U	0.0425	0.00006 U	0.0006 U	0.159	0.0006 U	0.001 U
G401	C	11/06/2024	A7DR	0.0004 U	0.00120	0.0116	0.0002 U	0.0004 J	0.0007 U	0.201	0.2 U	0.0006 U	0.0374	0.00006 U	0.0006 U	1.60	0.0006 U	0.001 U
G402	C	11/21/2023	A6DR	0.0004 U	0.00240	0.0281	0.0002 U	0.0002 U	0.00150 J+	0.00150	0.340	0.0006 U	0.0320	0.00008 U	0.00240	2.95	0.0006 U	0.001 U
G402	C	02/21/2024	A7	0.0004 U	0.00350 J+	0.0285	0.0002 U	0.0002 U	0.00340 J+	0.00320 J+	0.280	0.00150 J+	0.0218	0.00006 U	0.00170 J+	5.19	0.0006 U	0.001 U

TABLE 3
ANALYTICAL RESULTS - APPENDIX IV PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Date	Event ID	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Fluoride, total (mg/L)	Lead, total (mg/L)	Lithium, total (mg/L)	Mercury, total (mg/L)	Molybdenum, total (mg/L)	Radium 226 + 228 (pCi/L)	Selenium, total (mg/L)	Thallium, total (mg/L)
G402	C	05/06/2024	A7R	0.0006 U	0.00180	0.0193	0.0002 U	0.0002 U	0.00220 J+	0.00110	0.310	0.0007 J	0.0224	0.00006 U	0.00220	0.420	0.0006 U	0.001 U
G402	C	08/01/2024	A7D	0.0004 U	0.00230	0.0249	0.0002 U	0.0002 J	0.00270	0.00200	0.29 J	0.00130	0.0230	0.00006 U	0.00170	0.942	0.0006 U	0.001 U
G402	C	11/04/2024	A7DR	0.0004 U	0.00100 J	0.0196	0.0002 U	0.0002 U	0.0007 U	0.0009 J	0.22 J	0.0006 U	0.0244	0.00006 U	0.00260	0.240	0.0006 U	0.001 U
G403	C	11/20/2023	A6DR	0.0004 U	0.0004 J	0.139	0.0002 U	0.0002 U	0.0015 UJ	0.00260	0.340	0.0006 U	0.00450	0.00006 U	0.0008 U	2.25	0.0006 U	0.001 U
G403	C	02/21/2024	A7	0.0004 U	0.001 UJ	0.113	0.0002 U	0.0002 U	0.0015 UJ	0.001 UJ	0.320	0.0006 U	0.0024 J	0.00006 U	0.0015 UJ	0.330	0.0006 U	0.001 U
G403	C	05/06/2024	A7R	0.0006 U	0.0004 U	0.107	0.0002 U	0.0002 U	0.0015 UJ	0.0001 J	0.300	0.0006 U	0.00300	0.00006 U	0.0008 U	0.562	0.0006 U	0.001 U
G403	C	08/01/2024	A7D	0.0005 J	0.0004 U	0.129	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.27 J	0.0006 U	0.00330	0.00006 U	0.0011 J	0.537	0.0006 U	0.001 U
G403	C	11/04/2024	A7DR	0.0004 U	0.0007 J	0.126	0.0002 U	0.0002 U	0.0007 U	0.00190	0.2 U	0.0006 U	0.00410	0.00006 U	0.00250	0.309	0.0006 U	0.001 U
G404	C	11/21/2023	A6DR	0.0004 U	0.0007 J	0.0369	0.0002 U	0.0002 U	0.0015 UJ	0.0006 J	0.190	0.0006 U	0.0116	0.00006 U	0.0011 J	0.750	0.0006 U	0.001 U
G404	C	02/21/2024	A7	0.0004 U	0.001 UJ	0.0480	0.0002 U	0.0002 U	0.0015 UJ	0.001 UJ	0.200	0.0006 U	0.00320	0.00006 U	0.0015 UJ	0.0931	0.0006 U	0.001 U
G404	C	05/06/2024	A7R	0.0006 U	0.0004 U	0.0340	0.0002 U	0.0002 U	0.0015 UJ	0.0002 J	0.180	0.0006 U	0.00450	0.00006 U	0.0009 J	0.405	0.0006 U	0.001 U
G404	C	07/31/2024	A7D	0.0004 U	0.0004 J	0.0385	0.0002 U	0.0002 U	0.0007 U	0.0005 J	0.19 J	0.0006 U	0.00540	0.00006 U	0.00150	0.462	0.0006 U	0.001 U
G404	C	11/04/2024	A7DR	0.0004 U	0.0005 J	0.0212	0.0002 U	0.0002 U	0.0007 U	0.0007 J	0.2 U	0.0006 U	0.00840	0.00006 U	0.001 J	1.05	0.0006 U	0.001 U
G405	C	11/21/2023	A6DR	0.0008 J+	0.00160	0.0259	0.0002 U	0.0002 J	0.0015 UJ	0.00150	0.470	0.0006 U	0.00470	0.00006 U	0.00150 J	0.688	0.0006 U	0.001 U
G405	C	02/21/2024	A7	0.00100 J+	0.00110 J+	0.0181	0.0002 U	0.0002 U	0.0015 UJ	0.00120 J+	0.370	0.00100 J+	0.0025 J	0.00006 U	0.0015 UJ	0.235	0.0006 U	0.001 U
G405	C	05/06/2024	A7R	0.0006 U	0.0006 J	0.0116	0.0002 U	0.0002 U	0.0015 UJ	0.0008 J	0.430	0.0006 U	0.0026 J	0.00006 U	0.0008 U	0.404	0.0006 U	0.001 U
G405	C	07/31/2024	A7D	0.0008 J	0.0006 J	0.0140	0.0002 U	0.0002 U	0.0007 U	0.0007 J	0.4 J	0.0006 U	0.00320	0.00006 U	0.0007 J	0.940	0.0006 U	0.001 U
G405	C	11/04/2024	A7DR	0.0005 J	0.0008 J	0.0151	0.0002 U	0.0002 J	0.0007 U	0.00100	0.34 J	0.0006 U	0.00360	0.00006 U	0.001 J	0.650	0.0006 U	0.001 U
G406	C	11/20/2023	A6DR	0.0004 U	0.0004 U	0.0201	0.0002 U	0.0002 U	0.0007 U	0.0008 J	0.320	0.0006 U	0.0183	0.00006 U	0.0008 U	0.630	0.0006 U	0.001 U
G406	C	02/21/2024	A7	0.0004 U	0.0004 U	0.0124 J+	0.0002 U	0.0002 U	0.0008 U	0.001 UJ	0.330	0.0006 U	0.00750	0.00006 U	0.0015 UJ	0.487	0.0006 U	0.001 U
G406	C	05/06/2024	A7R	0.0006 U	0.0004 U	0.0128	0.0002 U	0.0002 U	0.0015 UJ	0.0005 J	0.340	0.0006 U	0.00940	0.00006 U	0.0008 U	0.192	0.0006 U	0.001 U
G406	C	08/01/2024	A7D	0.0009 J	0.0006 J	0.0199	0.0002 U	0.0002 U	0.0007 U	0.0006 J	0.3 J	0.0006 U	0.00900	0.00006 U	0.0013 J	0.710	0.0007 J	0.001 U
G406	C	11/04/2024	A7DR	0.0004 U	0.0004 U	0.0131	0.0002 U	0.0002 U	0.0007 U	0.0007 J	0.21 J	0.0006 U	0.0123	0.00006 U	0.0006 U	0.446	0.0006 U	0.001 U
G407	C	11/20/2023	A6DR	0.0004 U	0.0006 J	0.0193	0.0002 U	0.0002 U	0.0015 UJ	0.00200	0.330	0.0006 U	0.0718	0.00006 U	0.00220	0.921	0.0006 U	0.001 U
G407	C	02/20/2024	A7	0.0004 U	0.0004 U	0.0118 J+	0.0002 U	0.0002 U	0.00180 J+	0.001 UJ	0.280	0.0006 U	0.0360	0.00006 U	0.0015 UJ	0.644	0.0006 U	0.001 U
G407	C	04/29/2024	A7R	0.0004 U	0.0006 J	0.0115	0.0002 U	0.0002 U	0.0015 UJ	0.0005 J	0.310	0.0006 U	0.0421	0.00006 U	0.00210	0.420	0.0006 U	0.001 U
G407	C	08/01/2024	A7D	0.0006 J	0.0004 U	0.0145	0.0002 U	0.0002 U	0.00160	0.0004 J	0.3 J	0.0006 U	0.0341	0.00006 U	0.00210	3.40	0.0006 U	0.001 U

TABLE 3
ANALYTICAL RESULTS - APPENDIX IV PARAMETERS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Date	Event ID	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Fluoride, total (mg/L)	Lead, total (mg/L)	Lithium, total (mg/L)	Mercury, total (mg/L)	Molybdenum, total (mg/L)	Radium 226 + 228 (pCi/L)	Selenium, total (mg/L)	Thallium, total (mg/L)
G407	C	11/04/2024	A7DR	0.0004 U	0.0005 J	0.0136	0.0002 U	0.0002 U	0.0012 J	0.0007 J	0.23 J	0.0006 U	0.0448	0.00006 U	0.00180	0.0857	0.0006 U	0.001 U

Notes:
Data qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review* (2020):
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
Event IDs:
A6DR = Quarter 4, 2023 Corrective Action Monitoring resampling event
A7 = Quarter 1, 2024 Corrective Action Monitoring sampling event
A7R = Quarter 2, 2024 Corrective Action Monitoring resampling event
A7D = Quarter 3, 2024 Corrective Action Monitoring sampling event
A7DR = Quarter 4, 2024 Corrective Action Monitoring resampling event
ID = identification
mg/L = milligrams per liter
pCi/L = picoCuries per liter
Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
Well Type:
B = Background
C = Compliance

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TABLE 4
STATISTICAL BACKGROUND VALUES
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Parameter	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Background Value (LPL/UPL)
Boron (mg/L)	11/20/2015 - 07/12/2017	16	75	Non-parametric UPL	0.0220
Calcium (mg/L)	11/20/2015 - 07/12/2017	16	0	Non-parametric UPL	150
Chloride (mg/L)	11/20/2015 - 07/12/2017	16	0	Non-parametric UPL	75.0
Fluoride (mg/L)	11/20/2015 - 07/12/2017	16	0	Parametric UPL	0.493
pH (field) (SU)	11/20/2015 - 07/12/2017	16	0	Parametric LPL/UPL	6.7/7.3
Sulfate (mg/L)	11/20/2015 - 07/12/2017	16	0	Non-parametric UPL	370
Total Dissolved Solids (mg/L)	11/20/2015 - 07/12/2017	16	0	Non-parametric UPL	840

Notes:
LPL = lower prediction limit (applicable for pH only)
mg/L = milligrams per liter
SU = standard units
UPL = upper prediction limit

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TABLE 5
GROUNDWATER PROTECTION STANDARDS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Parameter	Background					MCL / HBL	Groundwater Protection Standard*	Groundwater Protection Standard Source
	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Value			
Antimony (mg/L)	11/20/2015 - 07/12/2017	16	100	All ND - Last Reporting Limit	0.003	0.006	0.006	MCL/HBL
Arsenic (mg/L)	11/20/2015 - 07/12/2017	16	75	Non-parametric UTL	0.00430	0.010	0.010	MCL/HBL
Barium (mg/L)	11/20/2015 - 07/12/2017	16	0	Parametric UTL (log-transformed)	0.182	2.0	2.0	MCL/HBL
Beryllium (mg/L)	11/20/2015 - 07/12/2017	16	100	All ND - Last Reporting Limit	0.001	0.004	0.004	MCL/HBL
Cadmium (mg/L)	11/20/2015 - 07/12/2017	16	100	All ND - Last Reporting Limit	0.001	0.005	0.005	MCL/HBL
Chromium (mg/L)	11/20/2015 - 07/12/2017	16	94	Non-parametric UTL	0.0110	0.1	0.1	MCL/HBL
Cobalt (mg/L)	11/20/2015 - 07/12/2017	16	94	Non-parametric UTL	0.00560	0.006	0.006	MCL/HBL
Fluoride (mg/L)	11/20/2015 - 07/12/2017	16	0	Parametric UTL	0.515	4.0	4.0	MCL/HBL
Lead (mg/L)	11/20/2015 - 07/12/2017	16	69	Non-parametric UTL	0.00630	0.015	0.015	MCL/HBL
Lithium (mg/L)	11/20/2015 - 07/12/2017	16	94	Non-parametric UTL	0.0130	0.04	0.04	MCL/HBL
Mercury (mg/L)	11/20/2015 - 07/12/2017	16	100	All ND - Last Reporting Limit	0.0002	0.002	0.002	MCL/HBL
Molybdenum (mg/L)	11/20/2015 - 07/12/2017	16	81	Non-parametric UTL	0.00150	0.1	0.1	MCL/HBL
Radium 226 + Radium 228 (pCi/L)	11/20/2015 - 07/12/2017	16	0	Parametric UTL	1.96	5	5	MCL/HBL
Selenium (mg/L)	11/20/2015 - 07/12/2017	16	88	Non-parametric UTL	0.00120	0.05	0.05	MCL/HBL
Thallium (mg/L)	11/20/2015 - 07/12/2017	16	100	All ND - Last Reporting Limit	0.001	0.002	0.002	MCL/HBL

Notes:
* Groundwater Protection Standard is the higher of the MCL/HBL or background.
MCL/HBL = maximum contaminant level/health-based level
mg/L = milligrams per liter
ND = non-detect
pCi/L = picoCuries per liter
UTL = upper tolerance limit

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TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G1001	LCU	A6DR	Antimony, total	mg/L	02/15/23 - 11/14/23	3	66	Most recent sample	0.00490	0.006	MCL/HBL	No Exceedance
G1001	LCU	A7	Antimony, total	mg/L	02/15/23 - 02/15/24	4	75	CI around median (Last Sample, n<7)	0.00100	0.006	MCL/HBL	No Exceedance
G1001	LCU	A7R	Antimony, total	mg/L	02/15/23 - 05/07/24	5	80	CI around median (Last Sample, n<7)	0.00100	0.006	MCL/HBL	No Exceedance
G1001	LCU	A7D	Antimony, total	mg/L	02/15/23 - 08/02/24	6	66	CI around median (Last Sample, n<7)	0.00100	0.006	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Antimony, total	mg/L	02/15/23 - 11/07/24	7	57	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Arsenic, total	mg/L	02/15/23 - 11/14/23	3	33	Most recent sample	0.00150	0.010	MCL/HBL	No Exceedance
G1001	LCU	A7	Arsenic, total	mg/L	02/15/23 - 02/15/24	4	50	CI around geomean	0.000128	0.010	MCL/HBL	No Exceedance
G1001	LCU	A7R	Arsenic, total	mg/L	02/15/23 - 05/07/24	5	60	CI around median (Last Sample, n<7)	0.00100	0.010	MCL/HBL	No Exceedance
G1001	LCU	A7D	Arsenic, total	mg/L	02/15/23 - 08/02/24	6	66	CI around median (Last Sample, n<7)	0.00100	0.010	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Arsenic, total	mg/L	02/15/23 - 11/07/24	7	71	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Barium, total	mg/L	02/15/23 - 11/14/23	3	0	Most recent sample	0.0917	2.0	MCL/HBL	No Exceedance
G1001	LCU	A7	Barium, total	mg/L	02/15/23 - 02/15/24	4	0	CI around mean	-0.0407	2.0	MCL/HBL	No Exceedance
G1001	LCU	A7R	Barium, total	mg/L	02/15/23 - 05/07/24	5	0	CI around mean	-0.00928	2.0	MCL/HBL	No Exceedance
G1001	LCU	A7D	Barium, total	mg/L	02/15/23 - 08/02/24	6	0	CI around mean	0.00719	2.0	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Barium, total	mg/L	02/15/23 - 11/07/24	7	0	CI around geomean	0.0425	2.0	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Beryllium, total	mg/L	02/15/23 - 11/14/23	3	66	Most recent sample	0.00100	0.004	MCL/HBL	No Exceedance
G1001	LCU	A7	Beryllium, total	mg/L	02/15/23 - 02/15/24	4	75	CI around median (Last Sample, n<7)	0.00100	0.004	MCL/HBL	No Exceedance
G1001	LCU	A7R	Beryllium, total	mg/L	02/15/23 - 05/07/24	5	80	CI around median (Last Sample, n<7)	0.00100	0.004	MCL/HBL	No Exceedance
G1001	LCU	A7D	Beryllium, total	mg/L	02/15/23 - 08/02/24	6	83	CI around median (Last Sample, n<7)	0.00100	0.004	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Beryllium, total	mg/L	02/15/23 - 11/07/24	7	85	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Cadmium, total	mg/L	02/15/23 - 11/14/23	3	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G1001	LCU	A7	Cadmium, total	mg/L	02/15/23 - 02/15/24	4	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G1001	LCU	A7R	Cadmium, total	mg/L	02/15/23 - 05/07/24	5	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G1001	LCU	A7D	Cadmium, total	mg/L	02/15/23 - 08/02/24	6	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Cadmium, total	mg/L	02/15/23 - 11/07/24	7	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Chromium, total	mg/L	02/15/23 - 11/14/23	3	33	Most recent sample	0.00280	0.1	MCL/HBL	No Exceedance
G1001	LCU	A7	Chromium, total	mg/L	02/15/23 - 02/15/24	4	50	CI around geomean	0.000178	0.1	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G1001	LCU	A7R	Chromium, total	mg/L	02/15/23 - 05/07/24	5	40	CI around geomean	0.000462	0.1	MCL/HBL	No Exceedance
G1001	LCU	A7D	Chromium, total	mg/L	02/15/23 - 08/02/24	6	50	CI around geomean	0.000611	0.1	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Chromium, total	mg/L	02/15/23 - 11/07/24	7	57	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Cobalt, total	mg/L	05/12/21 - 11/14/23	4	50	CI around geomean	0.000175	0.006	MCL/HBL	No Exceedance
G1001	LCU	A7	Cobalt, total	mg/L	05/12/21 - 02/15/24	5	60	CI around median (Last Sample, n<7)	0.00100	0.006	MCL/HBL	No Exceedance
G1001	LCU	A7R	Cobalt, total	mg/L	05/12/21 - 05/07/24	6	66	CI around median (Last Sample, n<7)	0.00100	0.006	MCL/HBL	No Exceedance
G1001	LCU	A7D	Cobalt, total	mg/L	05/12/21 - 08/02/24	7	71	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Cobalt, total	mg/L	05/12/21 - 11/07/24	8	75	CB around T-S line	-0.0650	0.006	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Fluoride, total	mg/L	02/15/23 - 11/14/23	3	66	Most recent sample	0.320	4.0	MCL/HBL	No Exceedance
G1001	LCU	A7	Fluoride, total	mg/L	02/15/23 - 02/15/24	4	50	CI around median (Last Sample, n<7)	0.250	4.0	MCL/HBL	No Exceedance
G1001	LCU	A7R	Fluoride, total	mg/L	02/15/23 - 05/07/24	5	40	CI around mean	0.222	4.0	MCL/HBL	No Exceedance
G1001	LCU	A7D	Fluoride, total	mg/L	02/15/23 - 08/02/24	6	50	CI around geomean	0.232	4.0	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Fluoride, total	mg/L	02/15/23 - 11/07/24	7	57	CI around median	0.250	4.0	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Lead, total	mg/L	02/15/23 - 11/14/23	3	33	Most recent sample	0.00110	0.015	MCL/HBL	No Exceedance
G1001	LCU	A7	Lead, total	mg/L	02/15/23 - 02/15/24	4	50	CI around median (Last Sample, n<7)	0.00100	0.015	MCL/HBL	No Exceedance
G1001	LCU	A7R	Lead, total	mg/L	02/15/23 - 05/07/24	5	60	CI around median (Last Sample, n<7)	0.00100	0.015	MCL/HBL	No Exceedance
G1001	LCU	A7D	Lead, total	mg/L	02/15/23 - 08/02/24	6	66	CI around median (Last Sample, n<7)	0.00100	0.015	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Lead, total	mg/L	02/15/23 - 11/07/24	7	71	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Lithium, total	mg/L	05/12/21 - 11/14/23	4	25	CI around mean	-0.00339	0.04	MCL/HBL	No Exceedance
G1001	LCU	A7	Lithium, total	mg/L	05/12/21 - 02/15/24	5	20	CI around mean	0.000345	0.04	MCL/HBL	No Exceedance
G1001	LCU	A7R	Lithium, total	mg/L	05/12/21 - 05/07/24	6	16	CI around mean	0.00186	0.04	MCL/HBL	No Exceedance
G1001	LCU	A7D	Lithium, total	mg/L	05/12/21 - 08/02/24	7	14	CI around mean	0.00356	0.04	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Lithium, total	mg/L	05/12/21 - 11/07/24	8	12	CI around geomean	0.00729	0.04	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Mercury, total	mg/L	02/15/23 - 11/14/23	3	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G1001	LCU	A7	Mercury, total	mg/L	02/15/23 - 02/15/24	4	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G1001	LCU	A7R	Mercury, total	mg/L	02/15/23 - 05/07/24	5	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G1001	LCU	A7D	Mercury, total	mg/L	02/15/23 - 08/02/24	6	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G1001	LCU	A7DR	Mercury, total	mg/L	02/15/23 - 11/07/24	7	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Molybdenum, total	mg/L	02/15/23 - 11/14/23	3	0	Most recent sample	0.00840	0.1	MCL/HBL	No Exceedance
G1001	LCU	A7	Molybdenum, total	mg/L	02/15/23 - 02/15/24	4	0	CI around mean	-0.000264	0.1	MCL/HBL	No Exceedance
G1001	LCU	A7R	Molybdenum, total	mg/L	02/15/23 - 05/07/24	5	0	CI around mean	0.00240	0.1	MCL/HBL	No Exceedance
G1001	LCU	A7D	Molybdenum, total	mg/L	02/15/23 - 08/02/24	6	0	CI around mean	0.00330	0.1	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Molybdenum, total	mg/L	02/15/23 - 11/07/24	7	0	CI around mean	0.00386	0.1	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 11/14/23	3	0	Most recent sample	1.32	5	MCL/HBL	No Exceedance
G1001	LCU	A7	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 02/15/24	4	0	CI around mean	-3.72	5	MCL/HBL	No Exceedance
G1001	LCU	A7R	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 05/07/24	5	0	CI around geomean	0.219	5	MCL/HBL	No Exceedance
G1001	LCU	A7D	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 08/02/24	6	0	CI around geomean	0.348	5	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 11/07/24	7	0	CI around geomean	0.463	5	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Selenium, total	mg/L	02/15/23 - 11/14/23	3	66	Most recent sample	0.00100	0.05	MCL/HBL	No Exceedance
G1001	LCU	A7	Selenium, total	mg/L	02/15/23 - 02/15/24	4	75	CI around median (Last Sample, n<7)	0.00100	0.05	MCL/HBL	No Exceedance
G1001	LCU	A7R	Selenium, total	mg/L	02/15/23 - 05/07/24	5	80	CI around median (Last Sample, n<7)	0.00100	0.05	MCL/HBL	No Exceedance
G1001	LCU	A7D	Selenium, total	mg/L	02/15/23 - 08/02/24	6	83	CI around median (Last Sample, n<7)	0.00100	0.05	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Selenium, total	mg/L	02/15/23 - 11/07/24	7	85	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G1001	LCU	A6DR	Thallium, total	mg/L	02/15/23 - 11/14/23	3	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G1001	LCU	A7	Thallium, total	mg/L	02/15/23 - 02/15/24	4	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G1001	LCU	A7R	Thallium, total	mg/L	02/15/23 - 05/07/24	5	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G1001	LCU	A7D	Thallium, total	mg/L	02/15/23 - 08/02/24	6	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G1001	LCU	A7DR	Thallium, total	mg/L	02/15/23 - 11/07/24	7	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G401	UA	A6D	Antimony, total	mg/L	11/21/15 - 08/11/23	23	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G401	UA	A6DR	Antimony, total	mg/L	11/21/15 - 11/21/23	24	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G401	UA	A7	Antimony, total	mg/L	11/21/15 - 02/21/24	25	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G401	UA	A7R	Antimony, total	mg/L	11/21/15 - 05/02/24	26	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G401	UA	A7D	Antimony, total	mg/L	11/21/15 - 08/02/24	27	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G401	UA	A7DR	Antimony, total	mg/L	11/21/15 - 11/06/24	28	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G401	UA	A6D	Arsenic, total	mg/L	11/21/15 - 08/11/23	26	53	CB around T-S line	-0.0164	0.010	MCL/HBL	No Exceedance
G401	UA	A6DR	Arsenic, total	mg/L	11/21/15 - 11/21/23	27	51	CB around T-S line	-0.0189	0.010	MCL/HBL	No Exceedance
G401	UA	A7	Arsenic, total	mg/L	11/21/15 - 02/21/24	28	50	CB around T-S line	-0.0153	0.010	MCL/HBL	No Exceedance
G401	UA	A7R	Arsenic, total	mg/L	11/21/15 - 05/02/24	29	51	CB around T-S line	-0.0152	0.010	MCL/HBL	No Exceedance
G401	UA	A7D	Arsenic, total	mg/L	11/21/15 - 08/02/24	30	50	CB around T-S line	-0.0162	0.010	MCL/HBL	No Exceedance
G401	UA	A7DR	Arsenic, total	mg/L	11/21/15 - 11/06/24	31	48	CB around T-S line	-0.0137	0.010	MCL/HBL	No Exceedance
G401	UA	A6D	Barium, total	mg/L	11/21/15 - 08/11/23	26	0	CB around T-S line	-0.155	2.0	MCL/HBL	No Exceedance
G401	UA	A6DR	Barium, total	mg/L	11/21/15 - 11/21/23	27	0	CB around T-S line	-0.188	2.0	MCL/HBL	No Exceedance
G401	UA	A7	Barium, total	mg/L	11/21/15 - 02/21/24	28	0	CB around T-S line	-0.183	2.0	MCL/HBL	No Exceedance
G401	UA	A7R	Barium, total	mg/L	11/21/15 - 05/02/24	29	0	CB around T-S line	-0.166	2.0	MCL/HBL	No Exceedance
G401	UA	A7D	Barium, total	mg/L	11/21/15 - 08/02/24	30	0	CB around T-S line	-0.165	2.0	MCL/HBL	No Exceedance
G401	UA	A7DR	Barium, total	mg/L	11/21/15 - 11/06/24	31	0	CB around T-S line	-0.140	2.0	MCL/HBL	No Exceedance
G401	UA	A6D	Beryllium, total	mg/L	11/21/15 - 08/11/23	25	80	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
G401	UA	A6DR	Beryllium, total	mg/L	11/21/15 - 11/21/23	26	80	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
G401	UA	A7	Beryllium, total	mg/L	11/21/15 - 02/21/24	27	81	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
G401	UA	A7R	Beryllium, total	mg/L	11/21/15 - 05/02/24	28	82	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
G401	UA	A7D	Beryllium, total	mg/L	11/21/15 - 08/02/24	29	82	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
G401	UA	A7DR	Beryllium, total	mg/L	11/21/15 - 11/06/24	30	83	CI around median	0.00100	0.004	MCL/HBL	No Exceedance
G401	UA	A6D	Cadmium, total	mg/L	11/21/15 - 08/11/23	26	65	CB around T-S line	-0.00160	0.005	MCL/HBL	No Exceedance
G401	UA	A6DR	Cadmium, total	mg/L	11/21/15 - 11/21/23	27	66	CB around T-S line	-0.00221	0.005	MCL/HBL	No Exceedance
G401	UA	A7	Cadmium, total	mg/L	11/21/15 - 02/21/24	28	67	CB around T-S line	-0.00174	0.005	MCL/HBL	No Exceedance
G401	UA	A7R	Cadmium, total	mg/L	11/21/15 - 05/02/24	29	68	CB around T-S line	-0.00171	0.005	MCL/HBL	No Exceedance
G401	UA	A7D	Cadmium, total	mg/L	11/21/15 - 08/02/24	30	70	CB around T-S line	-0.00164	0.005	MCL/HBL	No Exceedance
G401	UA	A7DR	Cadmium, total	mg/L	11/21/15 - 11/06/24	31	70	CB around T-S line	-0.00122	0.005	MCL/HBL	No Exceedance
G401	UA	A6D	Chromium, total	mg/L	11/21/15 - 08/11/23	26	65	CB around T-S line	-0.0295	0.1	MCL/HBL	No Exceedance
G401	UA	A6DR	Chromium, total	mg/L	11/21/15 - 11/21/23	27	66	CB around T-S line	-0.0432	0.1	MCL/HBL	No Exceedance
G401	UA	A7	Chromium, total	mg/L	11/21/15 - 02/21/24	28	67	CB around T-S line	-0.0283	0.1	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G401	UA	A7R	Chromium, total	mg/L	11/21/15 - 05/02/24	29	68	CB around T-S line	-0.0340	0.1	MCL/HBL	No Exceedance
G401	UA	A7D	Chromium, total	mg/L	11/21/15 - 08/02/24	30	70	CB around T-S line	-0.0351	0.1	MCL/HBL	No Exceedance
G401	UA	A7DR	Chromium, total	mg/L	11/21/15 - 11/06/24	31	70	CB around T-S line	-0.0228	0.1	MCL/HBL	No Exceedance
G401	UA	A6D	Cobalt, total	mg/L	11/21/15 - 08/11/23	26	0	CB around linear reg	0.0656	0.006	MCL/HBL	Reported
G401	UA	A6DR	Cobalt, total	mg/L	11/21/15 - 11/21/23	27	0	CB around linear reg	0.0692	0.006	MCL/HBL	Confirmed
G401	UA	A7	Cobalt, total	mg/L	11/21/15 - 02/21/24	28	0	CB around linear reg	0.0693	0.006	MCL/HBL	Reported
G401	UA	A7R	Cobalt, total	mg/L	11/21/15 - 05/02/24	29	0	CB around linear reg	0.0574	0.006	MCL/HBL	Confirmed
G401	UA	A7D	Cobalt, total	mg/L	11/21/15 - 08/02/24	30	0	CB around linear reg	0.0593	0.006	MCL/HBL	Reported
G401	UA	A7DR	Cobalt, total	mg/L	11/21/15 - 11/06/24	31	0	CB around linear reg	0.0628	0.006	MCL/HBL	Confirmed
G401	UA	A6D	Fluoride, total	mg/L	11/21/15 - 08/11/23	27	92	CI around median	0.250	4.0	MCL/HBL	No Exceedance
G401	UA	A6DR	Fluoride, total	mg/L	11/21/15 - 11/21/23	28	89	CB around T-S line	0.250	4.0	MCL/HBL	No Exceedance
G401	UA	A7	Fluoride, total	mg/L	11/21/15 - 02/21/24	29	86	CB around T-S line	0.222	4.0	MCL/HBL	No Exceedance
G401	UA	A7R	Fluoride, total	mg/L	11/21/15 - 05/02/24	30	83	CB around T-S line	0.222	4.0	MCL/HBL	No Exceedance
G401	UA	A7D	Fluoride, total	mg/L	11/21/15 - 08/02/24	31	83	CB around T-S line	0.250	4.0	MCL/HBL	No Exceedance
G401	UA	A7DR	Fluoride, total	mg/L	11/21/15 - 11/06/24	32	84	CI around median	0.250	4.0	MCL/HBL	No Exceedance
G401	UA	A6D	Lead, total	mg/L	11/21/15 - 08/11/23	25	64	CB around T-S line	-0.0302	0.015	MCL/HBL	No Exceedance
G401	UA	A6DR	Lead, total	mg/L	11/21/15 - 11/21/23	26	65	CB around T-S line	-0.0201	0.015	MCL/HBL	No Exceedance
G401	UA	A7	Lead, total	mg/L	11/21/15 - 02/21/24	27	66	CB around T-S line	-0.0276	0.015	MCL/HBL	No Exceedance
G401	UA	A7R	Lead, total	mg/L	11/21/15 - 05/02/24	28	67	CB around T-S line	-0.0194	0.015	MCL/HBL	No Exceedance
G401	UA	A7D	Lead, total	mg/L	11/21/15 - 08/02/24	29	68	CB around T-S line	-0.0245	0.015	MCL/HBL	No Exceedance
G401	UA	A7DR	Lead, total	mg/L	11/21/15 - 11/06/24	30	70	CB around T-S line	-0.0311	0.015	MCL/HBL	No Exceedance
G401	UA	A6D	Lithium, total	mg/L	11/21/15 - 08/11/23	28	3	CB around T-S line	-0.00812	0.04	MCL/HBL	No Exceedance
G401	UA	A6DR	Lithium, total	mg/L	11/21/15 - 11/21/23	29	3	CB around T-S line	-0.00496	0.04	MCL/HBL	No Exceedance
G401	UA	A7	Lithium, total	mg/L	11/21/15 - 02/21/24	30	3	CB around T-S line	-0.00613	0.04	MCL/HBL	No Exceedance
G401	UA	A7R	Lithium, total	mg/L	11/21/15 - 05/02/24	31	3	CB around T-S line	-0.00462	0.04	MCL/HBL	No Exceedance
G401	UA	A7D	Lithium, total	mg/L	11/21/15 - 08/02/24	32	3	CB around T-S line	-0.00457	0.04	MCL/HBL	No Exceedance
G401	UA	A7DR	Lithium, total	mg/L	11/21/15 - 11/06/24	33	3	CB around T-S line	-0.00621	0.04	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G401	UA	A6D	Mercury, total	mg/L	11/21/15 - 08/11/23	25	80	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
G401	UA	A6DR	Mercury, total	mg/L	11/21/15 - 11/21/23	26	80	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
G401	UA	A7	Mercury, total	mg/L	11/21/15 - 02/21/24	27	81	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
G401	UA	A7R	Mercury, total	mg/L	11/21/15 - 05/02/24	28	82	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
G401	UA	A7D	Mercury, total	mg/L	11/21/15 - 08/02/24	29	82	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
G401	UA	A7DR	Mercury, total	mg/L	11/21/15 - 11/06/24	30	83	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
G401	UA	A6D	Molybdenum, total	mg/L	11/21/15 - 08/11/23	26	69	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G401	UA	A6DR	Molybdenum, total	mg/L	11/21/15 - 11/21/23	27	70	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G401	UA	A7	Molybdenum, total	mg/L	11/21/15 - 02/21/24	28	71	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G401	UA	A7R	Molybdenum, total	mg/L	11/21/15 - 05/02/24	29	72	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G401	UA	A7D	Molybdenum, total	mg/L	11/21/15 - 08/02/24	30	73	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G401	UA	A7DR	Molybdenum, total	mg/L	11/21/15 - 11/06/24	31	74	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G401	UA	A6D	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 08/11/23	26	0	CI around median	0.694	5	MCL/HBL	No Exceedance
G401	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 11/21/23	27	0	CI around geomean	0.498	5	MCL/HBL	No Exceedance
G401	UA	A7	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 02/21/24	28	0	CI around geomean	0.477	5	MCL/HBL	No Exceedance
G401	UA	A7R	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 05/02/24	29	0	CI around geomean	0.468	5	MCL/HBL	No Exceedance
G401	UA	A7D	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 08/02/24	30	0	CB around T-S line	-0.0718	5	MCL/HBL	No Exceedance
G401	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 11/06/24	31	0	CI around geomean	0.463	5	MCL/HBL	No Exceedance
G401	UA	A6D	Selenium, total	mg/L	11/21/15 - 08/11/23	26	61	CB around T-S line	-0.00152	0.05	MCL/HBL	No Exceedance
G401	UA	A6DR	Selenium, total	mg/L	11/21/15 - 11/21/23	27	62	CB around T-S line	-0.00195	0.05	MCL/HBL	No Exceedance
G401	UA	A7	Selenium, total	mg/L	11/21/15 - 02/21/24	28	64	CB around T-S line	-0.00157	0.05	MCL/HBL	No Exceedance
G401	UA	A7R	Selenium, total	mg/L	11/21/15 - 05/02/24	29	65	CB around T-S line	-0.00176	0.05	MCL/HBL	No Exceedance
G401	UA	A7D	Selenium, total	mg/L	11/21/15 - 08/02/24	30	66	CB around T-S line	-0.00151	0.05	MCL/HBL	No Exceedance
G401	UA	A7DR	Selenium, total	mg/L	11/21/15 - 11/06/24	31	67	CB around T-S line	-0.00151	0.05	MCL/HBL	No Exceedance
G401	UA	A6D	Thallium, total	mg/L	11/21/15 - 08/11/23	23	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G401	UA	A6DR	Thallium, total	mg/L	11/21/15 - 11/21/23	24	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G401	UA	A7	Thallium, total	mg/L	11/21/15 - 02/21/24	25	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G401	UA	A7R	Thallium, total	mg/L	11/21/15 - 05/02/24	26	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G401	UA	A7D	Thallium, total	mg/L	11/21/15 - 08/02/24	27	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G401	UA	A7DR	Thallium, total	mg/L	11/21/15 - 11/06/24	28	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G402	UA	A6D	Antimony, total	mg/L	11/21/15 - 08/11/23	23	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G402	UA	A6DR	Antimony, total	mg/L	11/21/15 - 11/21/23	24	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G402	UA	A7	Antimony, total	mg/L	11/21/15 - 02/21/24	25	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G402	UA	A7R	Antimony, total	mg/L	11/21/15 - 05/06/24	26	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G402	UA	A7D	Antimony, total	mg/L	11/21/15 - 08/01/24	27	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G402	UA	A7DR	Antimony, total	mg/L	11/21/15 - 11/04/24	28	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G402	UA	A6D	Arsenic, total	mg/L	11/21/15 - 08/11/23	26	0	CB around linear reg	-0.00512	0.010	MCL/HBL	No Exceedance
G402	UA	A6DR	Arsenic, total	mg/L	11/21/15 - 11/21/23	27	0	CB around linear reg	-0.00514	0.010	MCL/HBL	No Exceedance
G402	UA	A7	Arsenic, total	mg/L	11/21/15 - 02/21/24	28	0	CB around linear reg	-0.00498	0.010	MCL/HBL	No Exceedance
G402	UA	A7R	Arsenic, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	-0.00488	0.010	MCL/HBL	No Exceedance
G402	UA	A7D	Arsenic, total	mg/L	11/21/15 - 08/01/24	30	0	CB around linear reg	-0.00482	0.010	MCL/HBL	No Exceedance
G402	UA	A7DR	Arsenic, total	mg/L	11/21/15 - 11/04/24	31	0	CB around linear reg	-0.00493	0.010	MCL/HBL	No Exceedance
G402	UA	A6D	Barium, total	mg/L	11/21/15 - 08/11/23	26	0	CB around linear reg	-0.00217	2.0	MCL/HBL	No Exceedance
G402	UA	A6DR	Barium, total	mg/L	11/21/15 - 11/21/23	27	0	CB around linear reg	-0.00186	2.0	MCL/HBL	No Exceedance
G402	UA	A7	Barium, total	mg/L	11/21/15 - 02/21/24	28	0	CB around linear reg	-0.00128	2.0	MCL/HBL	No Exceedance
G402	UA	A7R	Barium, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	-0.00122	2.0	MCL/HBL	No Exceedance
G402	UA	A7D	Barium, total	mg/L	11/21/15 - 08/01/24	30	0	CB around linear reg	-0.000928	2.0	MCL/HBL	No Exceedance
G402	UA	A7DR	Barium, total	mg/L	11/21/15 - 11/04/24	31	0	CB around linear reg	-0.00127	2.0	MCL/HBL	No Exceedance
G402	UA	A6D	Beryllium, total	mg/L	11/21/15 - 08/11/23	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G402	UA	A6DR	Beryllium, total	mg/L	11/21/15 - 11/21/23	26	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G402	UA	A7	Beryllium, total	mg/L	11/21/15 - 02/21/24	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G402	UA	A7R	Beryllium, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G402	UA	A7D	Beryllium, total	mg/L	11/21/15 - 08/01/24	29	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G402	UA	A7DR	Beryllium, total	mg/L	11/21/15 - 11/04/24	30	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G402	UA	A6D	Cadmium, total	mg/L	11/21/15 - 08/11/23	26	96	Most recent sample	0.00100	0.005	MCL/HBL	No Exceedance
G402	UA	A6DR	Cadmium, total	mg/L	11/21/15 - 11/21/23	27	96	Most recent sample	0.00100	0.005	MCL/HBL	No Exceedance
G402	UA	A7	Cadmium, total	mg/L	11/21/15 - 02/21/24	28	96	Most recent sample	0.00100	0.005	MCL/HBL	No Exceedance
G402	UA	A7R	Cadmium, total	mg/L	11/21/15 - 05/06/24	29	96	Most recent sample	0.00100	0.005	MCL/HBL	No Exceedance
G402	UA	A7D	Cadmium, total	mg/L	11/21/15 - 08/01/24	30	96	Most recent sample	0.00100	0.005	MCL/HBL	No Exceedance
G402	UA	A7DR	Cadmium, total	mg/L	11/21/15 - 11/04/24	31	96	Most recent sample	0.00100	0.005	MCL/HBL	No Exceedance
G402	UA	A6D	Chromium, total	mg/L	11/21/15 - 08/11/23	26	46	CB around linear reg	-0.00394	0.1	MCL/HBL	No Exceedance
G402	UA	A6DR	Chromium, total	mg/L	11/21/15 - 11/21/23	27	44	CB around T-S line	-0.00756	0.1	MCL/HBL	No Exceedance
G402	UA	A7	Chromium, total	mg/L	11/21/15 - 02/21/24	28	42	CB around T-S line	-0.00593	0.1	MCL/HBL	No Exceedance
G402	UA	A7R	Chromium, total	mg/L	11/21/15 - 05/06/24	29	41	CB around T-S line	-0.00599	0.1	MCL/HBL	No Exceedance
G402	UA	A7D	Chromium, total	mg/L	11/21/15 - 08/01/24	30	40	CB around T-S line	-0.00516	0.1	MCL/HBL	No Exceedance
G402	UA	A7DR	Chromium, total	mg/L	11/21/15 - 11/04/24	31	41	CB around T-S line	-0.00574	0.1	MCL/HBL	No Exceedance
G402	UA	A6D	Cobalt, total	mg/L	11/21/15 - 08/11/23	26	23	CB around linear reg	-0.00277	0.006	MCL/HBL	No Exceedance
G402	UA	A6DR	Cobalt, total	mg/L	11/21/15 - 11/21/23	27	22	CB around linear reg	-0.00291	0.006	MCL/HBL	No Exceedance
G402	UA	A7	Cobalt, total	mg/L	11/21/15 - 02/21/24	28	21	CB around linear reg	-0.00283	0.006	MCL/HBL	No Exceedance
G402	UA	A7R	Cobalt, total	mg/L	11/21/15 - 05/06/24	29	20	CB around linear reg	-0.00286	0.006	MCL/HBL	No Exceedance
G402	UA	A7D	Cobalt, total	mg/L	11/21/15 - 08/01/24	30	20	CB around linear reg	-0.00286	0.006	MCL/HBL	No Exceedance
G402	UA	A7DR	Cobalt, total	mg/L	11/21/15 - 11/04/24	31	22	CB around linear reg	-0.00299	0.006	MCL/HBL	No Exceedance
G402	UA	A6D	Fluoride, total	mg/L	11/21/15 - 08/11/23	27	14	CI around median	0.295	4.0	MCL/HBL	No Exceedance
G402	UA	A6DR	Fluoride, total	mg/L	11/21/15 - 11/21/23	28	14	CI around median	0.295	4.0	MCL/HBL	No Exceedance
G402	UA	A7	Fluoride, total	mg/L	11/21/15 - 02/21/24	29	13	CI around median	0.295	4.0	MCL/HBL	No Exceedance
G402	UA	A7R	Fluoride, total	mg/L	11/21/15 - 05/06/24	30	13	CI around median	0.295	4.0	MCL/HBL	No Exceedance
G402	UA	A7D	Fluoride, total	mg/L	11/21/15 - 08/01/24	31	16	CI around geomean	0.294	4.0	MCL/HBL	No Exceedance
G402	UA	A7DR	Fluoride, total	mg/L	11/21/15 - 11/04/24	32	18	CI around geomean	0.295	4.0	MCL/HBL	No Exceedance
G402	UA	A6D	Lead, total	mg/L	11/21/15 - 08/11/23	25	28	CB around linear reg	-0.00413	0.015	MCL/HBL	No Exceedance
G402	UA	A6DR	Lead, total	mg/L	11/21/15 - 11/21/23	26	30	CB around linear reg	-0.00416	0.015	MCL/HBL	No Exceedance
G402	UA	A7	Lead, total	mg/L	11/21/15 - 02/21/24	27	29	CB around linear reg	-0.00408	0.015	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G402	UA	A7R	Lead, total	mg/L	11/21/15 - 05/06/24	28	32	CB around linear reg	-0.00398	0.015	MCL/HBL	No Exceedance
G402	UA	A7D	Lead, total	mg/L	11/21/15 - 08/01/24	29	31	CB around linear reg	-0.00392	0.015	MCL/HBL	No Exceedance
G402	UA	A7DR	Lead, total	mg/L	11/21/15 - 11/04/24	30	33	CB around linear reg	-0.00392	0.015	MCL/HBL	No Exceedance
G402	UA	A6D	Lithium, total	mg/L	11/21/15 - 08/11/23	26	3	CB around linear reg	0.0108	0.04	MCL/HBL	No Exceedance
G402	UA	A6DR	Lithium, total	mg/L	11/21/15 - 11/21/23	27	3	CB around linear reg	0.0114	0.04	MCL/HBL	No Exceedance
G402	UA	A7	Lithium, total	mg/L	11/21/15 - 02/21/24	28	3	CB around linear reg	0.0113	0.04	MCL/HBL	No Exceedance
G402	UA	A7R	Lithium, total	mg/L	11/21/15 - 05/06/24	29	3	CB around linear reg	0.0115	0.04	MCL/HBL	No Exceedance
G402	UA	A7D	Lithium, total	mg/L	11/21/15 - 08/01/24	30	3	CB around linear reg	0.0116	0.04	MCL/HBL	No Exceedance
G402	UA	A7DR	Lithium, total	mg/L	11/21/15 - 11/04/24	31	3	CB around linear reg	0.0117	0.04	MCL/HBL	No Exceedance
G402	UA	A6D	Mercury, total	mg/L	11/21/15 - 08/11/23	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G402	UA	A6DR	Mercury, total	mg/L	11/21/15 - 11/21/23	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G402	UA	A7	Mercury, total	mg/L	11/21/15 - 02/21/24	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G402	UA	A7R	Mercury, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G402	UA	A7D	Mercury, total	mg/L	11/21/15 - 08/01/24	29	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G402	UA	A7DR	Mercury, total	mg/L	11/21/15 - 11/04/24	30	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G402	UA	A6D	Molybdenum, total	mg/L	11/21/15 - 08/11/23	26	0	CB around linear reg	0.00103	0.1	MCL/HBL	No Exceedance
G402	UA	A6DR	Molybdenum, total	mg/L	11/21/15 - 11/21/23	27	0	CB around linear reg	0.00106	0.1	MCL/HBL	No Exceedance
G402	UA	A7	Molybdenum, total	mg/L	11/21/15 - 02/21/24	28	0	CB around linear reg	0.00102	0.1	MCL/HBL	No Exceedance
G402	UA	A7R	Molybdenum, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	0.00106	0.1	MCL/HBL	No Exceedance
G402	UA	A7D	Molybdenum, total	mg/L	11/21/15 - 08/01/24	30	0	CB around linear reg	0.00103	0.1	MCL/HBL	No Exceedance
G402	UA	A7DR	Molybdenum, total	mg/L	11/21/15 - 11/04/24	31	0	CB around linear reg	0.00107	0.1	MCL/HBL	No Exceedance
G402	UA	A6D	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 08/11/23	26	0	CI around median	0.547	5	MCL/HBL	No Exceedance
G402	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 11/21/23	27	0	CI around median	0.547	5	MCL/HBL	No Exceedance
G402	UA	A7	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 02/21/24	28	0	CI around median	0.547	5	MCL/HBL	No Exceedance
G402	UA	A7R	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 05/06/24	29	0	CI around median	0.547	5	MCL/HBL	No Exceedance
G402	UA	A7D	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 08/01/24	30	0	CI around median	0.547	5	MCL/HBL	No Exceedance
G402	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 11/04/24	31	0	CI around median	0.547	5	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G402	UA	A6D	Selenium, total	mg/L	11/21/15 - 08/11/23	26	76	CB around T-S line	0.000439	0.05	MCL/HBL	No Exceedance
G402	UA	A6DR	Selenium, total	mg/L	11/21/15 - 11/21/23	27	77	CB around T-S line	0.000433	0.05	MCL/HBL	No Exceedance
G402	UA	A7	Selenium, total	mg/L	11/21/15 - 02/21/24	28	78	CB around T-S line	0.000599	0.05	MCL/HBL	No Exceedance
G402	UA	A7R	Selenium, total	mg/L	11/21/15 - 05/06/24	29	79	CB around T-S line	0.000644	0.05	MCL/HBL	No Exceedance
G402	UA	A7D	Selenium, total	mg/L	11/21/15 - 08/01/24	30	80	CB around T-S line	0.000668	0.05	MCL/HBL	No Exceedance
G402	UA	A7DR	Selenium, total	mg/L	11/21/15 - 11/04/24	31	80	CB around T-S line	0.000620	0.05	MCL/HBL	No Exceedance
G402	UA	A6D	Thallium, total	mg/L	11/21/15 - 08/11/23	23	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G402	UA	A6DR	Thallium, total	mg/L	11/21/15 - 11/21/23	24	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G402	UA	A7	Thallium, total	mg/L	11/21/15 - 02/21/24	25	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G402	UA	A7R	Thallium, total	mg/L	11/21/15 - 05/06/24	26	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G402	UA	A7D	Thallium, total	mg/L	11/21/15 - 08/01/24	27	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G402	UA	A7DR	Thallium, total	mg/L	11/21/15 - 11/04/24	28	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G403	UA	A6D	Antimony, total	mg/L	11/23/15 - 08/11/23	23	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G403	UA	A6DR	Antimony, total	mg/L	11/23/15 - 11/20/23	24	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G403	UA	A7	Antimony, total	mg/L	11/23/15 - 02/21/24	25	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G403	UA	A7R	Antimony, total	mg/L	11/23/15 - 05/06/24	26	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G403	UA	A7D	Antimony, total	mg/L	11/23/15 - 08/01/24	27	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G403	UA	A7DR	Antimony, total	mg/L	11/23/15 - 11/04/24	28	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G403	UA	A6D	Arsenic, total	mg/L	11/23/15 - 08/11/23	26	57	CB around T-S line	0.000177	0.010	MCL/HBL	No Exceedance
G403	UA	A6DR	Arsenic, total	mg/L	11/23/15 - 11/20/23	27	59	CB around T-S line	0.000144	0.010	MCL/HBL	No Exceedance
G403	UA	A7	Arsenic, total	mg/L	11/23/15 - 02/21/24	28	60	CB around T-S line	0.000114	0.010	MCL/HBL	No Exceedance
G403	UA	A7R	Arsenic, total	mg/L	11/23/15 - 05/06/24	29	62	CB around T-S line	0.0000251	0.010	MCL/HBL	No Exceedance
G403	UA	A7D	Arsenic, total	mg/L	11/23/15 - 08/01/24	30	63	CB around T-S line	0.000155	0.010	MCL/HBL	No Exceedance
G403	UA	A7DR	Arsenic, total	mg/L	11/23/15 - 11/04/24	31	64	CB around T-S line	0.000100	0.010	MCL/HBL	No Exceedance
G403	UA	A6D	Barium, total	mg/L	11/23/15 - 08/11/23	26	0	CB around T-S line	0.0779	2.0	MCL/HBL	No Exceedance
G403	UA	A6DR	Barium, total	mg/L	11/23/15 - 11/20/23	27	0	CB around T-S line	0.0813	2.0	MCL/HBL	No Exceedance
G403	UA	A7	Barium, total	mg/L	11/23/15 - 02/21/24	28	0	CB around T-S line	0.0798	2.0	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G403	UA	A7R	Barium, total	mg/L	11/23/15 - 05/06/24	29	0	CB around T-S line	0.0755	2.0	MCL/HBL	No Exceedance
G403	UA	A7D	Barium, total	mg/L	11/23/15 - 08/01/24	30	0	CB around T-S line	0.0841	2.0	MCL/HBL	No Exceedance
G403	UA	A7DR	Barium, total	mg/L	11/23/15 - 11/04/24	31	0	CB around T-S line	0.0776	2.0	MCL/HBL	No Exceedance
G403	UA	A6D	Beryllium, total	mg/L	11/23/15 - 08/11/23	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G403	UA	A6DR	Beryllium, total	mg/L	11/23/15 - 11/20/23	26	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G403	UA	A7	Beryllium, total	mg/L	11/23/15 - 02/21/24	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G403	UA	A7R	Beryllium, total	mg/L	11/23/15 - 05/06/24	28	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G403	UA	A7D	Beryllium, total	mg/L	11/23/15 - 08/01/24	29	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G403	UA	A7DR	Beryllium, total	mg/L	11/23/15 - 11/04/24	30	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G403	UA	A6D	Cadmium, total	mg/L	11/23/15 - 08/11/23	26	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G403	UA	A6DR	Cadmium, total	mg/L	11/23/15 - 11/20/23	27	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G403	UA	A7	Cadmium, total	mg/L	11/23/15 - 02/21/24	28	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G403	UA	A7R	Cadmium, total	mg/L	11/23/15 - 05/06/24	29	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G403	UA	A7D	Cadmium, total	mg/L	11/23/15 - 08/01/24	30	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G403	UA	A7DR	Cadmium, total	mg/L	11/23/15 - 11/04/24	31	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G403	UA	A6D	Chromium, total	mg/L	11/23/15 - 08/11/23	26	92	CB around T-S line	0.00358	0.1	MCL/HBL	No Exceedance
G403	UA	A6DR	Chromium, total	mg/L	11/23/15 - 11/20/23	27	92	CB around T-S line	0.00296	0.1	MCL/HBL	No Exceedance
G403	UA	A7	Chromium, total	mg/L	11/23/15 - 02/21/24	28	92	CB around T-S line	0.00207	0.1	MCL/HBL	No Exceedance
G403	UA	A7R	Chromium, total	mg/L	11/23/15 - 05/06/24	29	93	CB around T-S line	0.00245	0.1	MCL/HBL	No Exceedance
G403	UA	A7D	Chromium, total	mg/L	11/23/15 - 08/01/24	30	93	CB around T-S line	0.00193	0.1	MCL/HBL	No Exceedance
G403	UA	A7DR	Chromium, total	mg/L	11/23/15 - 11/04/24	31	93	CB around T-S line	0.00217	0.1	MCL/HBL	No Exceedance
G403	UA	A6D	Cobalt, total	mg/L	11/23/15 - 08/11/23	26	57	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G403	UA	A6DR	Cobalt, total	mg/L	11/23/15 - 11/20/23	27	55	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G403	UA	A7	Cobalt, total	mg/L	11/23/15 - 02/21/24	28	57	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G403	UA	A7R	Cobalt, total	mg/L	11/23/15 - 05/06/24	29	58	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G403	UA	A7D	Cobalt, total	mg/L	11/23/15 - 08/01/24	30	60	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G403	UA	A7DR	Cobalt, total	mg/L	11/23/15 - 11/04/24	31	58	CB around T-S line	0.00109	0.006	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G403	UA	A6D	Fluoride, total	mg/L	11/23/15 - 08/11/23	27	11	CB around T-S line	0.188	4.0	MCL/HBL	No Exceedance
G403	UA	A6DR	Fluoride, total	mg/L	11/23/15 - 11/20/23	28	10	CB around T-S line	0.198	4.0	MCL/HBL	No Exceedance
G403	UA	A7	Fluoride, total	mg/L	11/23/15 - 02/21/24	29	10	CB around T-S line	0.216	4.0	MCL/HBL	No Exceedance
G403	UA	A7R	Fluoride, total	mg/L	11/23/15 - 05/06/24	30	10	CB around T-S line	0.215	4.0	MCL/HBL	No Exceedance
G403	UA	A7D	Fluoride, total	mg/L	11/23/15 - 08/01/24	31	12	CB around T-S line	0.210	4.0	MCL/HBL	No Exceedance
G403	UA	A7DR	Fluoride, total	mg/L	11/23/15 - 11/04/24	32	15	CB around linear reg	0.249	4.0	MCL/HBL	No Exceedance
G403	UA	A6D	Lead, total	mg/L	11/23/15 - 08/11/23	25	88	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G403	UA	A6DR	Lead, total	mg/L	11/23/15 - 11/20/23	26	88	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G403	UA	A7	Lead, total	mg/L	11/23/15 - 02/21/24	27	88	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G403	UA	A7R	Lead, total	mg/L	11/23/15 - 05/06/24	28	89	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G403	UA	A7D	Lead, total	mg/L	11/23/15 - 08/01/24	29	89	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G403	UA	A7DR	Lead, total	mg/L	11/23/15 - 11/04/24	30	90	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G403	UA	A6D	Lithium, total	mg/L	11/23/15 - 08/11/23	26	96	CB around T-S line	0.0100	0.04	MCL/HBL	No Exceedance
G403	UA	A6DR	Lithium, total	mg/L	11/23/15 - 11/20/23	27	92	CB around T-S line	0.0100	0.04	MCL/HBL	No Exceedance
G403	UA	A7	Lithium, total	mg/L	11/23/15 - 02/21/24	28	92	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
G403	UA	A7R	Lithium, total	mg/L	11/23/15 - 05/06/24	29	89	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
G403	UA	A7D	Lithium, total	mg/L	11/23/15 - 08/01/24	30	86	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
G403	UA	A7DR	Lithium, total	mg/L	11/23/15 - 11/04/24	31	83	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
G403	UA	A6D	Mercury, total	mg/L	11/23/15 - 08/11/23	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G403	UA	A6DR	Mercury, total	mg/L	11/23/15 - 11/20/23	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G403	UA	A7	Mercury, total	mg/L	11/23/15 - 02/21/24	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G403	UA	A7R	Mercury, total	mg/L	11/23/15 - 05/06/24	28	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G403	UA	A7D	Mercury, total	mg/L	11/23/15 - 08/01/24	29	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G403	UA	A7DR	Mercury, total	mg/L	11/23/15 - 11/04/24	30	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G403	UA	A6D	Molybdenum, total	mg/L	11/23/15 - 08/11/23	26	73	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G403	UA	A6DR	Molybdenum, total	mg/L	11/23/15 - 11/20/23	27	74	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G403	UA	A7	Molybdenum, total	mg/L	11/23/15 - 02/21/24	28	75	CI around median	0.00100	0.1	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G403	UA	A7R	Molybdenum, total	mg/L	11/23/15 - 05/06/24	29	75	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G403	UA	A7D	Molybdenum, total	mg/L	11/23/15 - 08/01/24	30	76	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G403	UA	A7DR	Molybdenum, total	mg/L	11/23/15 - 11/04/24	31	74	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G403	UA	A6D	Radium 226 + Radium 228, total	pCi/L	11/23/15 - 08/11/23	26	0	CI around mean	0.598	5	MCL/HBL	No Exceedance
G403	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	11/23/15 - 11/20/23	27	0	CI around mean	0.624	5	MCL/HBL	No Exceedance
G403	UA	A7	Radium 226 + Radium 228, total	pCi/L	11/23/15 - 02/21/24	28	0	CI around mean	0.610	5	MCL/HBL	No Exceedance
G403	UA	A7R	Radium 226 + Radium 228, total	pCi/L	11/23/15 - 05/06/24	29	0	CI around mean	0.607	5	MCL/HBL	No Exceedance
G403	UA	A7D	Radium 226 + Radium 228, total	pCi/L	11/23/15 - 08/01/24	30	0	CI around mean	0.604	5	MCL/HBL	No Exceedance
G403	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	11/23/15 - 11/04/24	31	0	CI around mean	0.591	5	MCL/HBL	No Exceedance
G403	UA	A6D	Selenium, total	mg/L	11/23/15 - 08/11/23	26	96	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G403	UA	A6DR	Selenium, total	mg/L	11/23/15 - 11/20/23	27	96	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G403	UA	A7	Selenium, total	mg/L	11/23/15 - 02/21/24	28	96	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G403	UA	A7R	Selenium, total	mg/L	11/23/15 - 05/06/24	29	96	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G403	UA	A7D	Selenium, total	mg/L	11/23/15 - 08/01/24	30	96	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G403	UA	A7DR	Selenium, total	mg/L	11/23/15 - 11/04/24	31	96	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G403	UA	A6D	Thallium, total	mg/L	11/23/15 - 08/11/23	23	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G403	UA	A6DR	Thallium, total	mg/L	11/23/15 - 11/20/23	24	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G403	UA	A7	Thallium, total	mg/L	11/23/15 - 02/21/24	25	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G403	UA	A7R	Thallium, total	mg/L	11/23/15 - 05/06/24	26	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G403	UA	A7D	Thallium, total	mg/L	11/23/15 - 08/01/24	27	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G403	UA	A7DR	Thallium, total	mg/L	11/23/15 - 11/04/24	28	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G404	UA	A6D	Antimony, total	mg/L	11/21/15 - 08/14/23	23	95	CI around median	0.00300	0.006	MCL/HBL	No Exceedance
G404	UA	A6DR	Antimony, total	mg/L	11/21/15 - 11/21/23	24	95	CI around median	0.00300	0.006	MCL/HBL	No Exceedance
G404	UA	A7	Antimony, total	mg/L	11/21/15 - 02/21/24	25	96	CB around T-S line	0.00244	0.006	MCL/HBL	No Exceedance
G404	UA	A7R	Antimony, total	mg/L	11/21/15 - 05/06/24	26	96	CB around T-S line	0.00247	0.006	MCL/HBL	No Exceedance
G404	UA	A7D	Antimony, total	mg/L	11/21/15 - 07/31/24	27	96	CB around T-S line	0.00233	0.006	MCL/HBL	No Exceedance
G404	UA	A7DR	Antimony, total	mg/L	11/21/15 - 11/04/24	28	96	CB around T-S line	0.00214	0.006	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G404	UA	A6D	Arsenic, total	mg/L	11/21/15 - 08/14/23	26	84	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G404	UA	A6DR	Arsenic, total	mg/L	11/21/15 - 11/21/23	27	85	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G404	UA	A7	Arsenic, total	mg/L	11/21/15 - 02/21/24	28	85	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G404	UA	A7R	Arsenic, total	mg/L	11/21/15 - 05/06/24	29	86	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G404	UA	A7D	Arsenic, total	mg/L	11/21/15 - 07/31/24	30	86	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G404	UA	A7DR	Arsenic, total	mg/L	11/21/15 - 11/04/24	31	87	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G404	UA	A6D	Barium, total	mg/L	11/21/15 - 08/14/23	26	0	CB around linear reg	0.0200	2.0	MCL/HBL	No Exceedance
G404	UA	A6DR	Barium, total	mg/L	11/21/15 - 11/21/23	27	0	CB around linear reg	0.0204	2.0	MCL/HBL	No Exceedance
G404	UA	A7	Barium, total	mg/L	11/21/15 - 02/21/24	28	0	CB around linear reg	0.0216	2.0	MCL/HBL	No Exceedance
G404	UA	A7R	Barium, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	0.0219	2.0	MCL/HBL	No Exceedance
G404	UA	A7D	Barium, total	mg/L	11/21/15 - 07/31/24	30	0	CB around linear reg	0.0226	2.0	MCL/HBL	No Exceedance
G404	UA	A7DR	Barium, total	mg/L	11/21/15 - 11/04/24	31	0	CB around linear reg	0.0212	2.0	MCL/HBL	No Exceedance
G404	UA	A6D	Beryllium, total	mg/L	11/21/15 - 08/14/23	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G404	UA	A6DR	Beryllium, total	mg/L	11/21/15 - 11/21/23	26	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G404	UA	A7	Beryllium, total	mg/L	11/21/15 - 02/21/24	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G404	UA	A7R	Beryllium, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G404	UA	A7D	Beryllium, total	mg/L	11/21/15 - 07/31/24	29	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G404	UA	A7DR	Beryllium, total	mg/L	11/21/15 - 11/04/24	30	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G404	UA	A6D	Cadmium, total	mg/L	11/21/15 - 08/14/23	26	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G404	UA	A6DR	Cadmium, total	mg/L	11/21/15 - 11/21/23	27	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G404	UA	A7	Cadmium, total	mg/L	11/21/15 - 02/21/24	28	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G404	UA	A7R	Cadmium, total	mg/L	11/21/15 - 05/06/24	29	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G404	UA	A7D	Cadmium, total	mg/L	11/21/15 - 07/31/24	30	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G404	UA	A7DR	Cadmium, total	mg/L	11/21/15 - 11/04/24	31	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G404	UA	A6D	Chromium, total	mg/L	11/21/15 - 08/14/23	26	96	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
G404	UA	A6DR	Chromium, total	mg/L	11/21/15 - 11/21/23	27	96	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
G404	UA	A7	Chromium, total	mg/L	11/21/15 - 02/21/24	28	96	CB around T-S line	0.00400	0.1	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G404	UA	A7R	Chromium, total	mg/L	11/21/15 - 05/06/24	29	96	CB around T-S line	0.00335	0.1	MCL/HBL	No Exceedance
G404	UA	A7D	Chromium, total	mg/L	11/21/15 - 07/31/24	30	96	CB around T-S line	0.00338	0.1	MCL/HBL	No Exceedance
G404	UA	A7DR	Chromium, total	mg/L	11/21/15 - 11/04/24	31	96	CB around T-S line	0.00297	0.1	MCL/HBL	No Exceedance
G404	UA	A6D	Cobalt, total	mg/L	11/21/15 - 08/14/23	26	92	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G404	UA	A6DR	Cobalt, total	mg/L	11/21/15 - 11/21/23	27	92	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G404	UA	A7	Cobalt, total	mg/L	11/21/15 - 02/21/24	28	92	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G404	UA	A7R	Cobalt, total	mg/L	11/21/15 - 05/06/24	29	93	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G404	UA	A7D	Cobalt, total	mg/L	11/21/15 - 07/31/24	30	93	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G404	UA	A7DR	Cobalt, total	mg/L	11/21/15 - 11/04/24	31	93	CB around T-S line	0.00174	0.006	MCL/HBL	No Exceedance
G404	UA	A6D	Fluoride, total	mg/L	11/21/15 - 08/14/23	27	77	CI around median	0.250	4.0	MCL/HBL	No Exceedance
G404	UA	A6DR	Fluoride, total	mg/L	11/21/15 - 11/21/23	28	75	CI around median	0.250	4.0	MCL/HBL	No Exceedance
G404	UA	A7	Fluoride, total	mg/L	11/21/15 - 02/21/24	29	72	CI around median	0.250	4.0	MCL/HBL	No Exceedance
G404	UA	A7R	Fluoride, total	mg/L	11/21/15 - 05/06/24	30	70	CB around T-S line	0.211	4.0	MCL/HBL	No Exceedance
G404	UA	A7D	Fluoride, total	mg/L	11/21/15 - 07/31/24	31	70	CI around median	0.250	4.0	MCL/HBL	No Exceedance
G404	UA	A7DR	Fluoride, total	mg/L	11/21/15 - 11/04/24	32	71	CI around median	0.250	4.0	MCL/HBL	No Exceedance
G404	UA	A6D	Lead, total	mg/L	11/21/15 - 08/14/23	25	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G404	UA	A6DR	Lead, total	mg/L	11/21/15 - 11/21/23	26	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G404	UA	A7	Lead, total	mg/L	11/21/15 - 02/21/24	27	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G404	UA	A7R	Lead, total	mg/L	11/21/15 - 05/06/24	28	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G404	UA	A7D	Lead, total	mg/L	11/21/15 - 07/31/24	29	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G404	UA	A7DR	Lead, total	mg/L	11/21/15 - 11/04/24	30	96	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G404	UA	A6D	Lithium, total	mg/L	11/21/15 - 08/14/23	26	84	CB around T-S line	0.0100	0.04	MCL/HBL	No Exceedance
G404	UA	A6DR	Lithium, total	mg/L	11/21/15 - 11/21/23	27	81	CB around T-S line	0.0100	0.04	MCL/HBL	No Exceedance
G404	UA	A7	Lithium, total	mg/L	11/21/15 - 02/21/24	28	78	CB around T-S line	0.0100	0.04	MCL/HBL	No Exceedance
G404	UA	A7R	Lithium, total	mg/L	11/21/15 - 05/06/24	29	75	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
G404	UA	A7D	Lithium, total	mg/L	11/21/15 - 07/31/24	30	73	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
G404	UA	A7DR	Lithium, total	mg/L	11/21/15 - 11/04/24	31	70	CI around median	0.0100	0.04	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G404	UA	A6D	Mercury, total	mg/L	11/21/15 - 08/14/23	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G404	UA	A6DR	Mercury, total	mg/L	11/21/15 - 11/21/23	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G404	UA	A7	Mercury, total	mg/L	11/21/15 - 02/21/24	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G404	UA	A7R	Mercury, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G404	UA	A7D	Mercury, total	mg/L	11/21/15 - 07/31/24	29	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G404	UA	A7DR	Mercury, total	mg/L	11/21/15 - 11/04/24	30	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G404	UA	A6D	Molybdenum, total	mg/L	11/21/15 - 08/14/23	26	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
G404	UA	A6DR	Molybdenum, total	mg/L	11/21/15 - 11/21/23	27	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
G404	UA	A7	Molybdenum, total	mg/L	11/21/15 - 02/21/24	28	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
G404	UA	A7R	Molybdenum, total	mg/L	11/21/15 - 05/06/24	29	100	All ND - Last	0.0015	0.1	MCL/HBL	No Exceedance
G404	UA	A7D	Molybdenum, total	mg/L	11/21/15 - 07/31/24	30	96	CB around T-S line	0.00100	0.1	MCL/HBL	No Exceedance
G404	UA	A7DR	Molybdenum, total	mg/L	11/21/15 - 11/04/24	31	96	CB around T-S line	0.00100	0.1	MCL/HBL	No Exceedance
G404	UA	A6D	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 08/14/23	26	0	CI around mean	0.625	5	MCL/HBL	No Exceedance
G404	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 11/21/23	27	0	CI around mean	0.630	5	MCL/HBL	No Exceedance
G404	UA	A7	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 02/21/24	28	0	CI around mean	0.601	5	MCL/HBL	No Exceedance
G404	UA	A7R	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 05/06/24	29	0	CI around mean	0.592	5	MCL/HBL	No Exceedance
G404	UA	A7D	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 07/31/24	30	0	CI around mean	0.587	5	MCL/HBL	No Exceedance
G404	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 11/04/24	31	0	CI around mean	0.601	5	MCL/HBL	No Exceedance
G404	UA	A6D	Selenium, total	mg/L	11/21/15 - 08/14/23	26	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G404	UA	A6DR	Selenium, total	mg/L	11/21/15 - 11/21/23	27	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G404	UA	A7	Selenium, total	mg/L	11/21/15 - 02/21/24	28	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G404	UA	A7R	Selenium, total	mg/L	11/21/15 - 05/06/24	29	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G404	UA	A7D	Selenium, total	mg/L	11/21/15 - 07/31/24	30	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G404	UA	A7DR	Selenium, total	mg/L	11/21/15 - 11/04/24	31	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G404	UA	A6D	Thallium, total	mg/L	11/21/15 - 08/14/23	23	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G404	UA	A6DR	Thallium, total	mg/L	11/21/15 - 11/21/23	24	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G404	UA	A7	Thallium, total	mg/L	11/21/15 - 02/21/24	25	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G404	UA	A7R	Thallium, total	mg/L	11/21/15 - 05/06/24	26	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G404	UA	A7D	Thallium, total	mg/L	11/21/15 - 07/31/24	27	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G404	UA	A7DR	Thallium, total	mg/L	11/21/15 - 11/04/24	28	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G405	UA	A6D	Antimony, total	mg/L	11/21/15 - 08/11/23	23	95	CI around median	0.00300	0.006	MCL/HBL	No Exceedance
G405	UA	A6DR	Antimony, total	mg/L	11/21/15 - 11/21/23	24	95	CI around median	0.00300	0.006	MCL/HBL	No Exceedance
G405	UA	A7	Antimony, total	mg/L	11/21/15 - 02/21/24	25	92	CB around T-S line	0.00231	0.006	MCL/HBL	No Exceedance
G405	UA	A7R	Antimony, total	mg/L	11/21/15 - 05/06/24	26	92	CB around T-S line	0.00233	0.006	MCL/HBL	No Exceedance
G405	UA	A7D	Antimony, total	mg/L	11/21/15 - 07/31/24	27	92	CB around T-S line	0.00218	0.006	MCL/HBL	No Exceedance
G405	UA	A7DR	Antimony, total	mg/L	11/21/15 - 11/04/24	28	92	CB around T-S line	0.00212	0.006	MCL/HBL	No Exceedance
G405	UA	A6D	Arsenic, total	mg/L	11/21/15 - 08/11/23	26	34	CB around T-S line	-0.00274	0.010	MCL/HBL	No Exceedance
G405	UA	A6DR	Arsenic, total	mg/L	11/21/15 - 11/21/23	27	33	CB around T-S line	-0.00261	0.010	MCL/HBL	No Exceedance
G405	UA	A7	Arsenic, total	mg/L	11/21/15 - 02/21/24	28	32	CB around T-S line	-0.00229	0.010	MCL/HBL	No Exceedance
G405	UA	A7R	Arsenic, total	mg/L	11/21/15 - 05/06/24	29	34	CB around T-S line	-0.00194	0.010	MCL/HBL	No Exceedance
G405	UA	A7D	Arsenic, total	mg/L	11/21/15 - 07/31/24	30	36	CB around T-S line	-0.00184	0.010	MCL/HBL	No Exceedance
G405	UA	A7DR	Arsenic, total	mg/L	11/21/15 - 11/04/24	31	38	CB around T-S line	-0.00185	0.010	MCL/HBL	No Exceedance
G405	UA	A6D	Barium, total	mg/L	11/21/15 - 08/11/23	26	0	CB around linear reg	0.00710	2.0	MCL/HBL	No Exceedance
G405	UA	A6DR	Barium, total	mg/L	11/21/15 - 11/21/23	27	0	CB around linear reg	0.00790	2.0	MCL/HBL	No Exceedance
G405	UA	A7	Barium, total	mg/L	11/21/15 - 02/21/24	28	0	CB around linear reg	0.00807	2.0	MCL/HBL	No Exceedance
G405	UA	A7R	Barium, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	0.00761	2.0	MCL/HBL	No Exceedance
G405	UA	A7D	Barium, total	mg/L	11/21/15 - 07/31/24	30	0	CB around linear reg	0.00740	2.0	MCL/HBL	No Exceedance
G405	UA	A7DR	Barium, total	mg/L	11/21/15 - 11/04/24	31	0	CB around linear reg	0.00726	2.0	MCL/HBL	No Exceedance
G405	UA	A6D	Beryllium, total	mg/L	11/21/15 - 08/11/23	25	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G405	UA	A6DR	Beryllium, total	mg/L	11/21/15 - 11/21/23	26	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G405	UA	A7	Beryllium, total	mg/L	11/21/15 - 02/21/24	27	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G405	UA	A7R	Beryllium, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G405	UA	A7D	Beryllium, total	mg/L	11/21/15 - 07/31/24	29	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G405	UA	A7DR	Beryllium, total	mg/L	11/21/15 - 11/04/24	30	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G405	UA	A6D	Cadmium, total	mg/L	11/21/15 - 08/11/23	26	96	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
G405	UA	A6DR	Cadmium, total	mg/L	11/21/15 - 11/21/23	27	96	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
G405	UA	A7	Cadmium, total	mg/L	11/21/15 - 02/21/24	28	96	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
G405	UA	A7R	Cadmium, total	mg/L	11/21/15 - 05/06/24	29	96	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
G405	UA	A7D	Cadmium, total	mg/L	11/21/15 - 07/31/24	30	96	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
G405	UA	A7DR	Cadmium, total	mg/L	11/21/15 - 11/04/24	31	96	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
G405	UA	A6D	Chromium, total	mg/L	11/21/15 - 08/11/23	26	92	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
G405	UA	A6DR	Chromium, total	mg/L	11/21/15 - 11/21/23	27	92	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
G405	UA	A7	Chromium, total	mg/L	11/21/15 - 02/21/24	28	92	CB around T-S line	0.00342	0.1	MCL/HBL	No Exceedance
G405	UA	A7R	Chromium, total	mg/L	11/21/15 - 05/06/24	29	93	CB around T-S line	0.00330	0.1	MCL/HBL	No Exceedance
G405	UA	A7D	Chromium, total	mg/L	11/21/15 - 07/31/24	30	93	CB around T-S line	0.00302	0.1	MCL/HBL	No Exceedance
G405	UA	A7DR	Chromium, total	mg/L	11/21/15 - 11/04/24	31	93	CB around T-S line	0.00284	0.1	MCL/HBL	No Exceedance
G405	UA	A6D	Cobalt, total	mg/L	11/21/15 - 08/11/23	26	73	CB around T-S line	0.00114	0.006	MCL/HBL	No Exceedance
G405	UA	A6DR	Cobalt, total	mg/L	11/21/15 - 11/21/23	27	70	CB around T-S line	0.00110	0.006	MCL/HBL	No Exceedance
G405	UA	A7	Cobalt, total	mg/L	11/21/15 - 02/21/24	28	67	CB around T-S line	0.000987	0.006	MCL/HBL	No Exceedance
G405	UA	A7R	Cobalt, total	mg/L	11/21/15 - 05/06/24	29	68	CB around T-S line	0.000972	0.006	MCL/HBL	No Exceedance
G405	UA	A7D	Cobalt, total	mg/L	11/21/15 - 07/31/24	30	70	CB around T-S line	0.000991	0.006	MCL/HBL	No Exceedance
G405	UA	A7DR	Cobalt, total	mg/L	11/21/15 - 11/04/24	31	67	CB around T-S line	0.000851	0.006	MCL/HBL	No Exceedance
G405	UA	A6D	Fluoride, total	mg/L	11/21/15 - 08/11/23	27	11	CB around linear reg	0.220	4.0	MCL/HBL	No Exceedance
G405	UA	A6DR	Fluoride, total	mg/L	11/21/15 - 11/21/23	28	10	CI around mean	0.376	4.0	MCL/HBL	No Exceedance
G405	UA	A7	Fluoride, total	mg/L	11/21/15 - 02/21/24	29	10	CB around linear reg	0.232	4.0	MCL/HBL	No Exceedance
G405	UA	A7R	Fluoride, total	mg/L	11/21/15 - 05/06/24	30	10	CB around linear reg	0.241	4.0	MCL/HBL	No Exceedance
G405	UA	A7D	Fluoride, total	mg/L	11/21/15 - 07/31/24	31	12	CB around linear reg	0.228	4.0	MCL/HBL	No Exceedance
G405	UA	A7DR	Fluoride, total	mg/L	11/21/15 - 11/04/24	32	15	CI around mean	0.402	4.0	MCL/HBL	No Exceedance
G405	UA	A6D	Lead, total	mg/L	11/21/15 - 08/11/23	25	52	CB around T-S line	-0.000982	0.015	MCL/HBL	No Exceedance
G405	UA	A6DR	Lead, total	mg/L	11/21/15 - 11/21/23	26	53	CB around T-S line	-0.00114	0.015	MCL/HBL	No Exceedance
G405	UA	A7	Lead, total	mg/L	11/21/15 - 02/21/24	27	51	CB around T-S line	-0.00128	0.015	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G405	UA	A7R	Lead, total	mg/L	11/21/15 - 05/06/24	28	53	CB around T-S line	-0.000825	0.015	MCL/HBL	No Exceedance
G405	UA	A7D	Lead, total	mg/L	11/21/15 - 07/31/24	29	55	CB around T-S line	-0.000370	0.015	MCL/HBL	No Exceedance
G405	UA	A7DR	Lead, total	mg/L	11/21/15 - 11/04/24	30	56	CB around T-S line	-0.000570	0.015	MCL/HBL	No Exceedance
G405	UA	A6D	Lithium, total	mg/L	11/21/15 - 08/11/23	26	92	CB around T-S line	0.0100	0.04	MCL/HBL	No Exceedance
G405	UA	A6DR	Lithium, total	mg/L	11/21/15 - 11/21/23	27	88	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
G405	UA	A7	Lithium, total	mg/L	11/21/15 - 02/21/24	28	89	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
G405	UA	A7R	Lithium, total	mg/L	11/21/15 - 05/06/24	29	89	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
G405	UA	A7D	Lithium, total	mg/L	11/21/15 - 07/31/24	30	86	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
G405	UA	A7DR	Lithium, total	mg/L	11/21/15 - 11/04/24	31	83	CI around median	0.0100	0.04	MCL/HBL	No Exceedance
G405	UA	A6D	Mercury, total	mg/L	11/21/15 - 08/11/23	25	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G405	UA	A6DR	Mercury, total	mg/L	11/21/15 - 11/21/23	26	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G405	UA	A7	Mercury, total	mg/L	11/21/15 - 02/21/24	27	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G405	UA	A7R	Mercury, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G405	UA	A7D	Mercury, total	mg/L	11/21/15 - 07/31/24	29	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G405	UA	A7DR	Mercury, total	mg/L	11/21/15 - 11/04/24	30	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G405	UA	A6D	Molybdenum, total	mg/L	11/21/15 - 08/11/23	26	42	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G405	UA	A6DR	Molybdenum, total	mg/L	11/21/15 - 11/21/23	27	40	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G405	UA	A7	Molybdenum, total	mg/L	11/21/15 - 02/21/24	28	42	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G405	UA	A7R	Molybdenum, total	mg/L	11/21/15 - 05/06/24	29	44	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G405	UA	A7D	Molybdenum, total	mg/L	11/21/15 - 07/31/24	30	46	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G405	UA	A7DR	Molybdenum, total	mg/L	11/21/15 - 11/04/24	31	48	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G405	UA	A6D	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 08/11/23	26	0	CI around median	0.598	5	MCL/HBL	No Exceedance
G405	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 11/21/23	27	0	CI around median	0.598	5	MCL/HBL	No Exceedance
G405	UA	A7	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 02/21/24	28	0	CI around median	0.541	5	MCL/HBL	No Exceedance
G405	UA	A7R	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 05/06/24	29	0	CI around median	0.541	5	MCL/HBL	No Exceedance
G405	UA	A7D	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 07/31/24	30	0	CI around median	0.541	5	MCL/HBL	No Exceedance
G405	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 11/04/24	31	0	CI around median	0.598	5	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G405	UA	A6D	Selenium, total	mg/L	11/21/15 - 08/11/23	26	92	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G405	UA	A6DR	Selenium, total	mg/L	11/21/15 - 11/21/23	27	92	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G405	UA	A7	Selenium, total	mg/L	11/21/15 - 02/21/24	28	92	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G405	UA	A7R	Selenium, total	mg/L	11/21/15 - 05/06/24	29	93	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G405	UA	A7D	Selenium, total	mg/L	11/21/15 - 07/31/24	30	93	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G405	UA	A7DR	Selenium, total	mg/L	11/21/15 - 11/04/24	31	93	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
G405	UA	A6D	Thallium, total	mg/L	11/21/15 - 08/11/23	23	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G405	UA	A6DR	Thallium, total	mg/L	11/21/15 - 11/21/23	24	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G405	UA	A7	Thallium, total	mg/L	11/21/15 - 02/21/24	25	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G405	UA	A7R	Thallium, total	mg/L	11/21/15 - 05/06/24	26	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G405	UA	A7D	Thallium, total	mg/L	11/21/15 - 07/31/24	27	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G405	UA	A7DR	Thallium, total	mg/L	11/21/15 - 11/04/24	28	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G406	UA	A6D	Antimony, total	mg/L	10/14/20 - 08/11/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G406	UA	A6DR	Antimony, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G406	UA	A7	Antimony, total	mg/L	10/14/20 - 02/21/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G406	UA	A7R	Antimony, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G406	UA	A7D	Antimony, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G406	UA	A7DR	Antimony, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G406	UA	A6D	Arsenic, total	mg/L	10/14/20 - 08/11/23	12	91	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G406	UA	A6DR	Arsenic, total	mg/L	10/14/20 - 11/20/23	13	92	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G406	UA	A7	Arsenic, total	mg/L	10/14/20 - 02/21/24	14	92	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G406	UA	A7R	Arsenic, total	mg/L	10/14/20 - 05/06/24	15	93	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G406	UA	A7D	Arsenic, total	mg/L	10/14/20 - 08/01/24	16	93	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G406	UA	A7DR	Arsenic, total	mg/L	10/14/20 - 11/04/24	17	94	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G406	UA	A6D	Barium, total	mg/L	10/14/20 - 08/11/23	12	0	CI around median	0.0120	2.0	MCL/HBL	No Exceedance
G406	UA	A6DR	Barium, total	mg/L	10/14/20 - 11/20/23	13	0	CI around median	0.0130	2.0	MCL/HBL	No Exceedance
G406	UA	A7	Barium, total	mg/L	10/14/20 - 02/21/24	14	0	CI around median	0.0124	2.0	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G406	UA	A7R	Barium, total	mg/L	10/14/20 - 05/06/24	15	0	CI around median	0.0124	2.0	MCL/HBL	No Exceedance
G406	UA	A7D	Barium, total	mg/L	10/14/20 - 08/01/24	16	0	CI around median	0.0128	2.0	MCL/HBL	No Exceedance
G406	UA	A7DR	Barium, total	mg/L	10/14/20 - 11/04/24	17	0	CI around median	0.0128	2.0	MCL/HBL	No Exceedance
G406	UA	A6D	Beryllium, total	mg/L	10/14/20 - 08/11/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G406	UA	A6DR	Beryllium, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G406	UA	A7	Beryllium, total	mg/L	10/14/20 - 02/21/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G406	UA	A7R	Beryllium, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G406	UA	A7D	Beryllium, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G406	UA	A7DR	Beryllium, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G406	UA	A6D	Cadmium, total	mg/L	10/14/20 - 08/11/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G406	UA	A6DR	Cadmium, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G406	UA	A7	Cadmium, total	mg/L	10/14/20 - 02/21/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G406	UA	A7R	Cadmium, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G406	UA	A7D	Cadmium, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G406	UA	A7DR	Cadmium, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G406	UA	A6D	Chromium, total	mg/L	10/14/20 - 08/11/23	12	91	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
G406	UA	A6DR	Chromium, total	mg/L	10/14/20 - 11/20/23	13	92	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
G406	UA	A7	Chromium, total	mg/L	10/14/20 - 02/21/24	14	92	CB around T-S line	0.00101	0.1	MCL/HBL	No Exceedance
G406	UA	A7R	Chromium, total	mg/L	10/14/20 - 05/06/24	15	93	CB around T-S line	0.000810	0.1	MCL/HBL	No Exceedance
G406	UA	A7D	Chromium, total	mg/L	10/14/20 - 08/01/24	16	93	CB around T-S line	0.000569	0.1	MCL/HBL	No Exceedance
G406	UA	A7DR	Chromium, total	mg/L	10/14/20 - 11/04/24	17	94	CB around T-S line	0.000321	0.1	MCL/HBL	No Exceedance
G406	UA	A6D	Cobalt, total	mg/L	10/14/20 - 08/11/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G406	UA	A6DR	Cobalt, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G406	UA	A7	Cobalt, total	mg/L	10/14/20 - 02/21/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G406	UA	A7R	Cobalt, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G406	UA	A7D	Cobalt, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G406	UA	A7DR	Cobalt, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G406	UA	A6D	Fluoride, total	mg/L	10/14/20 - 08/11/23	12	16	CI around geomean	0.268	4.0	MCL/HBL	No Exceedance
G406	UA	A6DR	Fluoride, total	mg/L	10/14/20 - 11/20/23	13	15	CI around geomean	0.273	4.0	MCL/HBL	No Exceedance
G406	UA	A7	Fluoride, total	mg/L	10/14/20 - 02/21/24	14	14	CI around mean	0.237	4.0	MCL/HBL	No Exceedance
G406	UA	A7R	Fluoride, total	mg/L	10/14/20 - 05/06/24	15	13	CI around median	0.273	4.0	MCL/HBL	No Exceedance
G406	UA	A7D	Fluoride, total	mg/L	10/14/20 - 08/01/24	16	18	CI around geomean	0.279	4.0	MCL/HBL	No Exceedance
G406	UA	A7DR	Fluoride, total	mg/L	10/14/20 - 11/04/24	17	23	CI around geomean	0.281	4.0	MCL/HBL	No Exceedance
G406	UA	A6D	Lead, total	mg/L	10/14/20 - 08/11/23	12	91	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G406	UA	A6DR	Lead, total	mg/L	10/14/20 - 11/20/23	13	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G406	UA	A7	Lead, total	mg/L	10/14/20 - 02/21/24	14	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G406	UA	A7R	Lead, total	mg/L	10/14/20 - 05/06/24	15	93	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G406	UA	A7D	Lead, total	mg/L	10/14/20 - 08/01/24	16	93	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G406	UA	A7DR	Lead, total	mg/L	10/14/20 - 11/04/24	17	94	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G406	UA	A6D	Lithium, total	mg/L	10/14/20 - 08/11/23	12	91	CI around median	0.0200	0.04	MCL/HBL	No Exceedance
G406	UA	A6DR	Lithium, total	mg/L	10/14/20 - 11/20/23	13	84	CI around median	0.0200	0.04	MCL/HBL	No Exceedance
G406	UA	A7	Lithium, total	mg/L	10/14/20 - 02/21/24	14	78	CB around T-S line	0.0127	0.04	MCL/HBL	No Exceedance
G406	UA	A7R	Lithium, total	mg/L	10/14/20 - 05/06/24	15	73	CB around T-S line	0.0107	0.04	MCL/HBL	No Exceedance
G406	UA	A7D	Lithium, total	mg/L	10/14/20 - 08/01/24	16	68	CB around T-S line	0.00783	0.04	MCL/HBL	No Exceedance
G406	UA	A7DR	Lithium, total	mg/L	10/14/20 - 11/04/24	17	64	CB around T-S line	0.00715	0.04	MCL/HBL	No Exceedance
G406	UA	A6D	Mercury, total	mg/L	10/14/20 - 08/11/23	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G406	UA	A6DR	Mercury, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G406	UA	A7	Mercury, total	mg/L	10/14/20 - 02/21/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G406	UA	A7R	Mercury, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G406	UA	A7D	Mercury, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G406	UA	A7DR	Mercury, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G406	UA	A6D	Molybdenum, total	mg/L	10/14/20 - 08/11/23	12	91	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G406	UA	A6DR	Molybdenum, total	mg/L	10/14/20 - 11/20/23	13	92	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G406	UA	A7	Molybdenum, total	mg/L	10/14/20 - 02/21/24	14	92	CI around median	0.00100	0.1	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G406	UA	A7R	Molybdenum, total	mg/L	10/14/20 - 05/06/24	15	93	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G406	UA	A7D	Molybdenum, total	mg/L	10/14/20 - 08/01/24	16	93	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G406	UA	A7DR	Molybdenum, total	mg/L	10/14/20 - 11/04/24	17	94	CI around median	0.00100	0.1	MCL/HBL	No Exceedance
G406	UA	A6D	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 08/11/23	12	0	CI around mean	0.226	5	MCL/HBL	No Exceedance
G406	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 11/20/23	13	0	CI around mean	0.264	5	MCL/HBL	No Exceedance
G406	UA	A7	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 02/21/24	14	0	CI around mean	0.283	5	MCL/HBL	No Exceedance
G406	UA	A7R	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 05/06/24	15	0	CI around mean	0.272	5	MCL/HBL	No Exceedance
G406	UA	A7D	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 08/01/24	16	0	CI around mean	0.302	5	MCL/HBL	No Exceedance
G406	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 11/04/24	17	0	CI around mean	0.312	5	MCL/HBL	No Exceedance
G406	UA	A6D	Selenium, total	mg/L	10/14/20 - 08/11/23	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G406	UA	A6DR	Selenium, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G406	UA	A7	Selenium, total	mg/L	10/14/20 - 02/21/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G406	UA	A7R	Selenium, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G406	UA	A7D	Selenium, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G406	UA	A7DR	Selenium, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G406	UA	A6D	Thallium, total	mg/L	10/14/20 - 08/11/23	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G406	UA	A6DR	Thallium, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G406	UA	A7	Thallium, total	mg/L	10/14/20 - 02/21/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G406	UA	A7R	Thallium, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G406	UA	A7D	Thallium, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G406	UA	A7DR	Thallium, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G407	UA	A6D	Antimony, total	mg/L	10/14/20 - 08/10/23	12	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G407	UA	A6DR	Antimony, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G407	UA	A7	Antimony, total	mg/L	10/14/20 - 02/20/24	14	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G407	UA	A7R	Antimony, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G407	UA	A7D	Antimony, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
G407	UA	A7DR	Antimony, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G407	UA	A6D	Arsenic, total	mg/L	10/14/20 - 08/10/23	12	83	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G407	UA	A6DR	Arsenic, total	mg/L	10/14/20 - 11/20/23	13	84	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G407	UA	A7	Arsenic, total	mg/L	10/14/20 - 02/20/24	14	85	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G407	UA	A7R	Arsenic, total	mg/L	10/14/20 - 04/29/24	15	86	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G407	UA	A7D	Arsenic, total	mg/L	10/14/20 - 08/01/24	16	87	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G407	UA	A7DR	Arsenic, total	mg/L	10/14/20 - 11/04/24	17	88	CI around median	0.00100	0.010	MCL/HBL	No Exceedance
G407	UA	A6D	Barium, total	mg/L	10/14/20 - 08/10/23	12	0	CI around median	0.0120	2.0	MCL/HBL	No Exceedance
G407	UA	A6DR	Barium, total	mg/L	10/14/20 - 11/20/23	13	0	CI around median	0.0120	2.0	MCL/HBL	No Exceedance
G407	UA	A7	Barium, total	mg/L	10/14/20 - 02/20/24	14	0	CI around median	0.0120	2.0	MCL/HBL	No Exceedance
G407	UA	A7R	Barium, total	mg/L	10/14/20 - 04/29/24	15	0	CI around median	0.0118	2.0	MCL/HBL	No Exceedance
G407	UA	A7D	Barium, total	mg/L	10/14/20 - 08/01/24	16	0	CI around median	0.0120	2.0	MCL/HBL	No Exceedance
G407	UA	A7DR	Barium, total	mg/L	10/14/20 - 11/04/24	17	0	CI around median	0.0120	2.0	MCL/HBL	No Exceedance
G407	UA	A6D	Beryllium, total	mg/L	10/14/20 - 08/10/23	12	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G407	UA	A6DR	Beryllium, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G407	UA	A7	Beryllium, total	mg/L	10/14/20 - 02/20/24	14	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G407	UA	A7R	Beryllium, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G407	UA	A7D	Beryllium, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G407	UA	A7DR	Beryllium, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.001	0.004	MCL/HBL	No Exceedance
G407	UA	A6D	Cadmium, total	mg/L	10/14/20 - 08/10/23	12	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G407	UA	A6DR	Cadmium, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G407	UA	A7	Cadmium, total	mg/L	10/14/20 - 02/20/24	14	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G407	UA	A7R	Cadmium, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G407	UA	A7D	Cadmium, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G407	UA	A7DR	Cadmium, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
G407	UA	A6D	Chromium, total	mg/L	10/14/20 - 08/10/23	12	83	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
G407	UA	A6DR	Chromium, total	mg/L	10/14/20 - 11/20/23	13	84	CI around median	0.00400	0.1	MCL/HBL	No Exceedance
G407	UA	A7	Chromium, total	mg/L	10/14/20 - 02/20/24	14	78	CI around median	0.00180	0.1	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G407	UA	A7R	Chromium, total	mg/L	10/14/20 - 04/29/24	15	80	CI around median	0.00150	0.1	MCL/HBL	No Exceedance
G407	UA	A7D	Chromium, total	mg/L	10/14/20 - 08/01/24	16	75	CI around median	0.00160	0.1	MCL/HBL	No Exceedance
G407	UA	A7DR	Chromium, total	mg/L	10/14/20 - 11/04/24	17	76	CB around T-S line	0.000302	0.1	MCL/HBL	No Exceedance
G407	UA	A6D	Cobalt, total	mg/L	10/14/20 - 08/10/23	12	91	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G407	UA	A6DR	Cobalt, total	mg/L	10/14/20 - 11/20/23	13	84	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G407	UA	A7	Cobalt, total	mg/L	10/14/20 - 02/20/24	14	85	CI around median	0.00200	0.006	MCL/HBL	No Exceedance
G407	UA	A7R	Cobalt, total	mg/L	10/14/20 - 04/29/24	15	86	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
G407	UA	A7D	Cobalt, total	mg/L	10/14/20 - 08/01/24	16	87	CB around T-S line	0.000295	0.006	MCL/HBL	No Exceedance
G407	UA	A7DR	Cobalt, total	mg/L	10/14/20 - 11/04/24	17	88	CB around T-S line	0.000524	0.006	MCL/HBL	No Exceedance
G407	UA	A6D	Fluoride, total	mg/L	10/14/20 - 08/10/23	12	25	CI around geomean	0.259	4.0	MCL/HBL	No Exceedance
G407	UA	A6DR	Fluoride, total	mg/L	10/14/20 - 11/20/23	13	23	CI around geomean	0.264	4.0	MCL/HBL	No Exceedance
G407	UA	A7	Fluoride, total	mg/L	10/14/20 - 02/20/24	14	21	CI around geomean	0.265	4.0	MCL/HBL	No Exceedance
G407	UA	A7R	Fluoride, total	mg/L	10/14/20 - 04/29/24	15	20	CI around geomean	0.268	4.0	MCL/HBL	No Exceedance
G407	UA	A7D	Fluoride, total	mg/L	10/14/20 - 08/01/24	16	25	CI around median	0.272	4.0	MCL/HBL	No Exceedance
G407	UA	A7DR	Fluoride, total	mg/L	10/14/20 - 11/04/24	17	29	CI around median	0.272	4.0	MCL/HBL	No Exceedance
G407	UA	A6D	Lead, total	mg/L	10/14/20 - 08/10/23	12	91	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G407	UA	A6DR	Lead, total	mg/L	10/14/20 - 11/20/23	13	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G407	UA	A7	Lead, total	mg/L	10/14/20 - 02/20/24	14	92	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G407	UA	A7R	Lead, total	mg/L	10/14/20 - 04/29/24	15	93	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G407	UA	A7D	Lead, total	mg/L	10/14/20 - 08/01/24	16	93	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G407	UA	A7DR	Lead, total	mg/L	10/14/20 - 11/04/24	17	94	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
G407	UA	A6D	Lithium, total	mg/L	10/14/20 - 08/10/23	12	0	CI around mean	0.0389	0.04	MCL/HBL	No Exceedance
G407	UA	A6DR	Lithium, total	mg/L	10/14/20 - 11/20/23	13	0	CI around median	0.0390	0.04	MCL/HBL	No Exceedance
G407	UA	A7	Lithium, total	mg/L	10/14/20 - 02/20/24	14	0	CI around median	0.0380	0.04	MCL/HBL	No Exceedance
G407	UA	A7R	Lithium, total	mg/L	10/14/20 - 04/29/24	15	0	CI around median	0.0380	0.04	MCL/HBL	No Exceedance
G407	UA	A7D	Lithium, total	mg/L	10/14/20 - 08/01/24	16	0	CI around median	0.0380	0.04	MCL/HBL	No Exceedance
G407	UA	A7DR	Lithium, total	mg/L	10/14/20 - 11/04/24	17	0	CI around median	0.0380	0.04	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G407	UA	A6D	Mercury, total	mg/L	10/14/20 - 08/10/23	12	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G407	UA	A6DR	Mercury, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G407	UA	A7	Mercury, total	mg/L	10/14/20 - 02/20/24	14	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G407	UA	A7R	Mercury, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G407	UA	A7D	Mercury, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G407	UA	A7DR	Mercury, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.0002	0.002	MCL/HBL	No Exceedance
G407	UA	A6D	Molybdenum, total	mg/L	10/14/20 - 08/10/23	12	16	CI around median	0.00120	0.1	MCL/HBL	No Exceedance
G407	UA	A6DR	Molybdenum, total	mg/L	10/14/20 - 11/20/23	13	15	CI around median	0.00130	0.1	MCL/HBL	No Exceedance
G407	UA	A7	Molybdenum, total	mg/L	10/14/20 - 02/20/24	14	21	CI around median	0.00130	0.1	MCL/HBL	No Exceedance
G407	UA	A7R	Molybdenum, total	mg/L	10/14/20 - 04/29/24	15	20	CI around geomean	0.00107	0.1	MCL/HBL	No Exceedance
G407	UA	A7D	Molybdenum, total	mg/L	10/14/20 - 08/01/24	16	18	CI around geomean	0.00108	0.1	MCL/HBL	No Exceedance
G407	UA	A7DR	Molybdenum, total	mg/L	10/14/20 - 11/04/24	17	17	CI around geomean	0.00111	0.1	MCL/HBL	No Exceedance
G407	UA	A6D	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 08/10/23	12	0	CI around mean	0.162	5	MCL/HBL	No Exceedance
G407	UA	A6DR	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 11/20/23	13	0	CI around mean	0.227	5	MCL/HBL	No Exceedance
G407	UA	A7	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 02/20/24	14	0	CI around mean	0.263	5	MCL/HBL	No Exceedance
G407	UA	A7R	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 04/29/24	15	0	CI around mean	0.276	5	MCL/HBL	No Exceedance
G407	UA	A7D	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 08/01/24	16	0	CI around geomean	0.239	5	MCL/HBL	No Exceedance
G407	UA	A7DR	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 11/04/24	17	0	CI around geomean	0.215	5	MCL/HBL	No Exceedance
G407	UA	A6D	Selenium, total	mg/L	10/14/20 - 08/10/23	12	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G407	UA	A6DR	Selenium, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G407	UA	A7	Selenium, total	mg/L	10/14/20 - 02/20/24	14	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G407	UA	A7R	Selenium, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G407	UA	A7D	Selenium, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G407	UA	A7DR	Selenium, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
G407	UA	A6D	Thallium, total	mg/L	10/14/20 - 08/10/23	12	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G407	UA	A6DR	Thallium, total	mg/L	10/14/20 - 11/20/23	13	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G407	UA	A7	Thallium, total	mg/L	10/14/20 - 02/20/24	14	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance

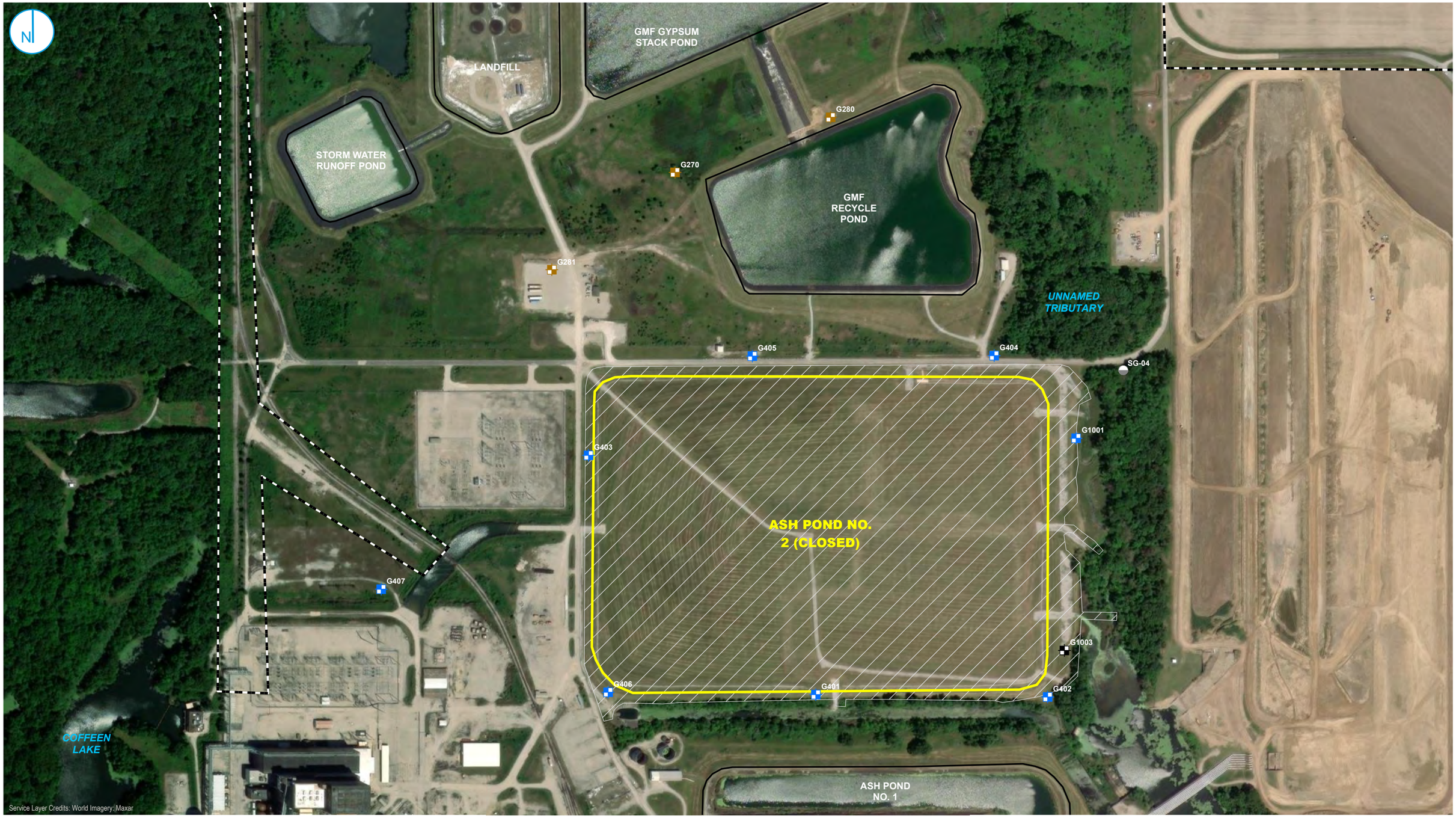
TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
G407	UA	A7R	Thallium, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G407	UA	A7D	Thallium, total	mg/L	10/14/20 - 08/01/24	16	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance
G407	UA	A7DR	Thallium, total	mg/L	10/14/20 - 11/04/24	17	100	All ND - Last	0.002	0.002	MCL/HBL	No Exceedance

Notes:
Event IDs:
A6D = Quarter 3, 2023 Corrective Action Monitoring sampling event
A6DR = Quarter 4, 2023 Corrective Action Monitoring resampling event
A7 = Quarter 1, 2024 Corrective Action Monitoring sampling event
A7R = Quarter 2, 2024 Corrective Action Monitoring resampling event
A7D = Quarter 3, 2024 Corrective Action Monitoring sampling event
A7DR = Quarter 4, 2024 Corrective Action Monitoring resampling event
HSU = hydrostratigraphic unit:
LCU = Lower Confining Unit
UA = Uppermost Aquifer
ID = identification
ND = non-detect
mg/L = milligrams per liter
pCi/L = picocuries per liter
Statistically Significant Level (SSL) Type:
No Exceedance: No exceedance of the GWPS.
Reported: An exceedance in the parent event was observed and reported.
Confirmed: A resample confirmed an observed exceedance in the parent event.
GWPS = Groundwater Protection Standard
GWPS Source:
MCL/HBL = maximum contaminant level/health-based level
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 linear reg = Confidence band around linear regression
CB around T-S line = Confidence band around Thiel-Sen line
CI around geomean = Confidence interval around the geometric mean
CI around mean = Confidence interval around the mean
CI around median (Last Sample, n<7) = Data characterization in accordance with the Statistical Analysis Plan indicated that a confidence interval around the median was the most appropriate statistic. However, fewer than seven samples (the minimum required to calculated a CI around the median) were available. Due to insufficient sample size, the result for the most recently collected sample was used.
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 Statistical Analysis Plan using constituent concentrations observed at monitoring well during all sampling events within the specified date range

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FIGURES



COMPLIANCE MONITORING WELL
BACKGROUND MONITORING WELL
MONITORING WELL
CLOSED STAFF GAGE

REGULATED UNIT (SUBJECT UNIT)
SITE FEATURE
LIMITS OF FINAL COVER
PROPERTY BOUNDARY

NOTE: SG-04 WAS DESTROYED.

0 200 400 Feet

MONITORING WELL LOCATION MAP

ASH POND NO. 2
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 1

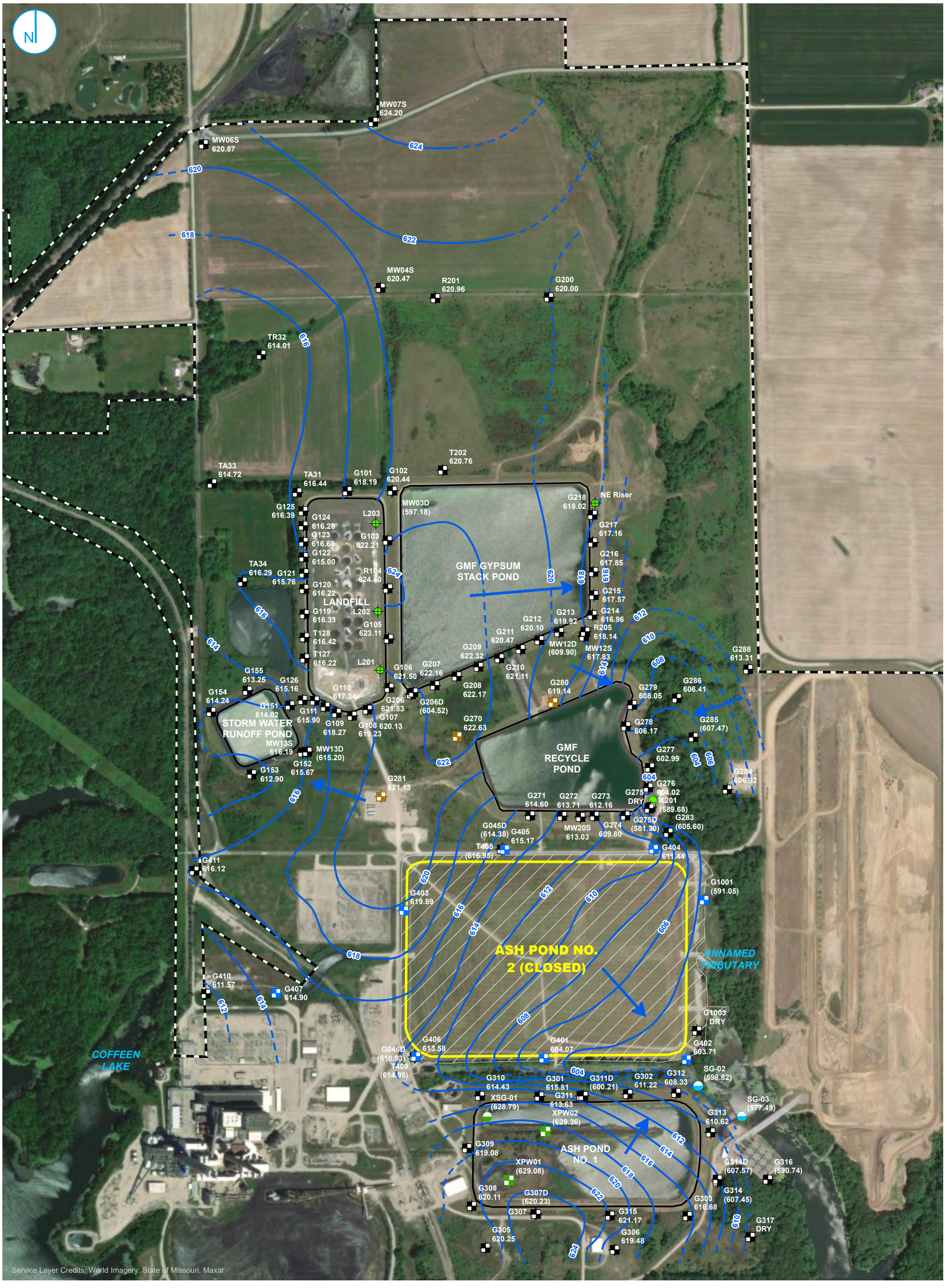
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

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Y:\Mapping\Projects\22\22851\MXD\845_Quarterly_Reports\24Q4\COF\COF_24Q4.aprx\Figure 1. Monitoring Well Location Map 102
PROJECT: 169000XXXX | DATED: 1/14/2025 | DESIGNER: GALARNMC

PROJECT: 169000XXXX | DATED: 4/22/2024 | DESIGNER: egreaves

Y:\Mapping\Projects\22\2285\MXD\GW_Contours\Round_2024\Coffeen\AP2_102\2024_AP2_102.aprx



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- CCR SOURCEWATER SAMPLE
- STAFF GAGE, CCR UNIT
- STAFF GAGE, RIVER
- LEACHATE WELL
- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- PROPERTY BOUNDARY

0 325 650 Feet

NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

POTENTIOMETRIC SURFACE MAP FEBRUARY 12 AND 13, 2024

FIGURE 2

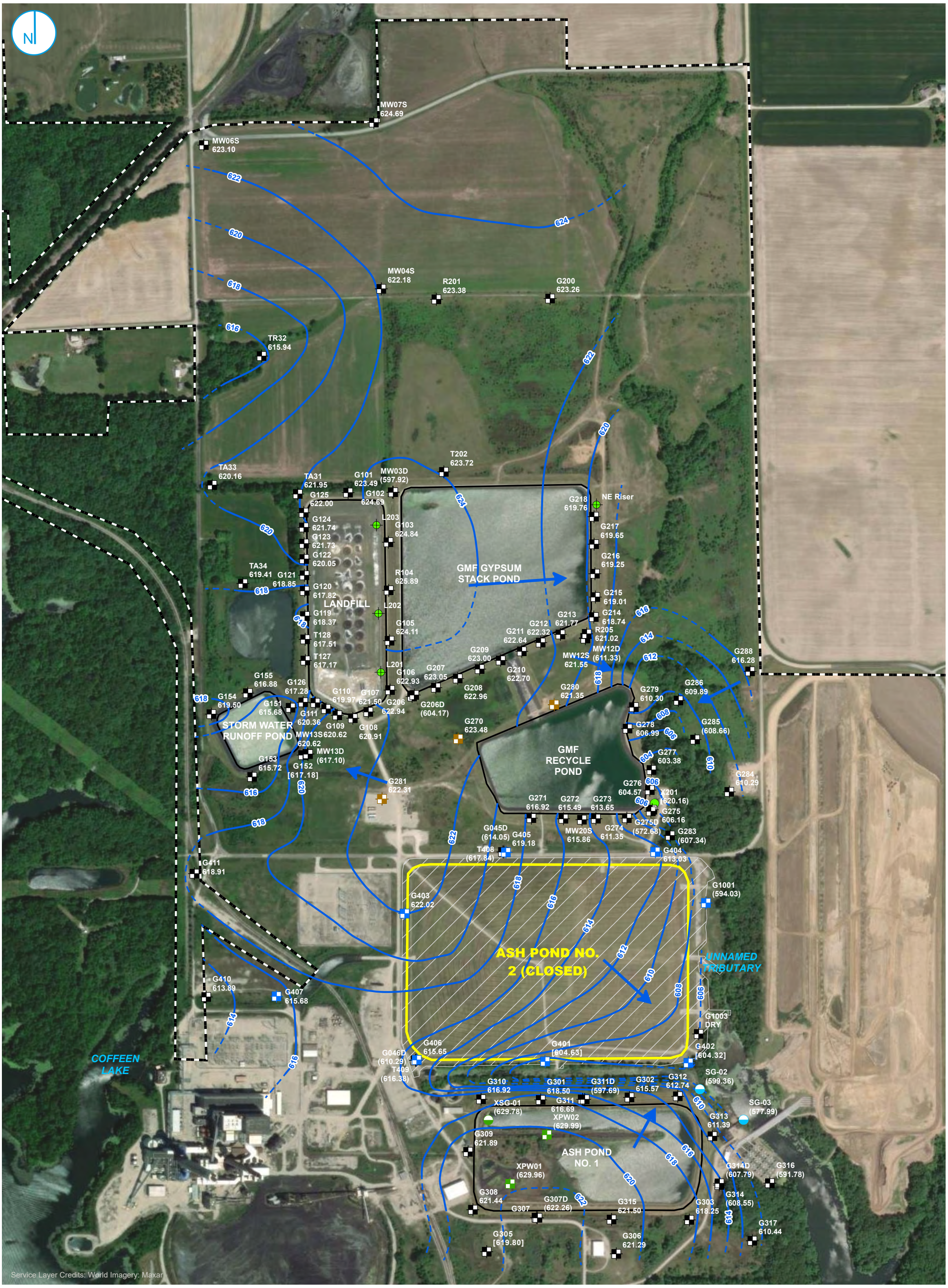
2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 2
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

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PROJECT: 169000XXXX | DATED: 8/26/2024 | DESIGNER: GALARNMC

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- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- CCR SOURCE WATER SAMPLE
- STAFF GAGE, RIVER
- STAFF GAGE, CCR UNIT
- LEACHATE WELL
- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- PROPERTY BOUNDARY

0 325 650 Feet

NOTES:

1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATIONS IN BRACKETS WERE OBTAINED OUTSIDE OF THE 24 HOUR PERIOD FROM INITIATION OF DEPTH TO GROUNDWATER MEASUREMENTS BUT WITHIN THE SAME SAMPLING EVENT.
3. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

POTENTIOMETRIC SURFACE MAP APRIL 29, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT ASH POND NO. 2

COFFEEN POWER PLANT
COFFEEN, ILLINOIS

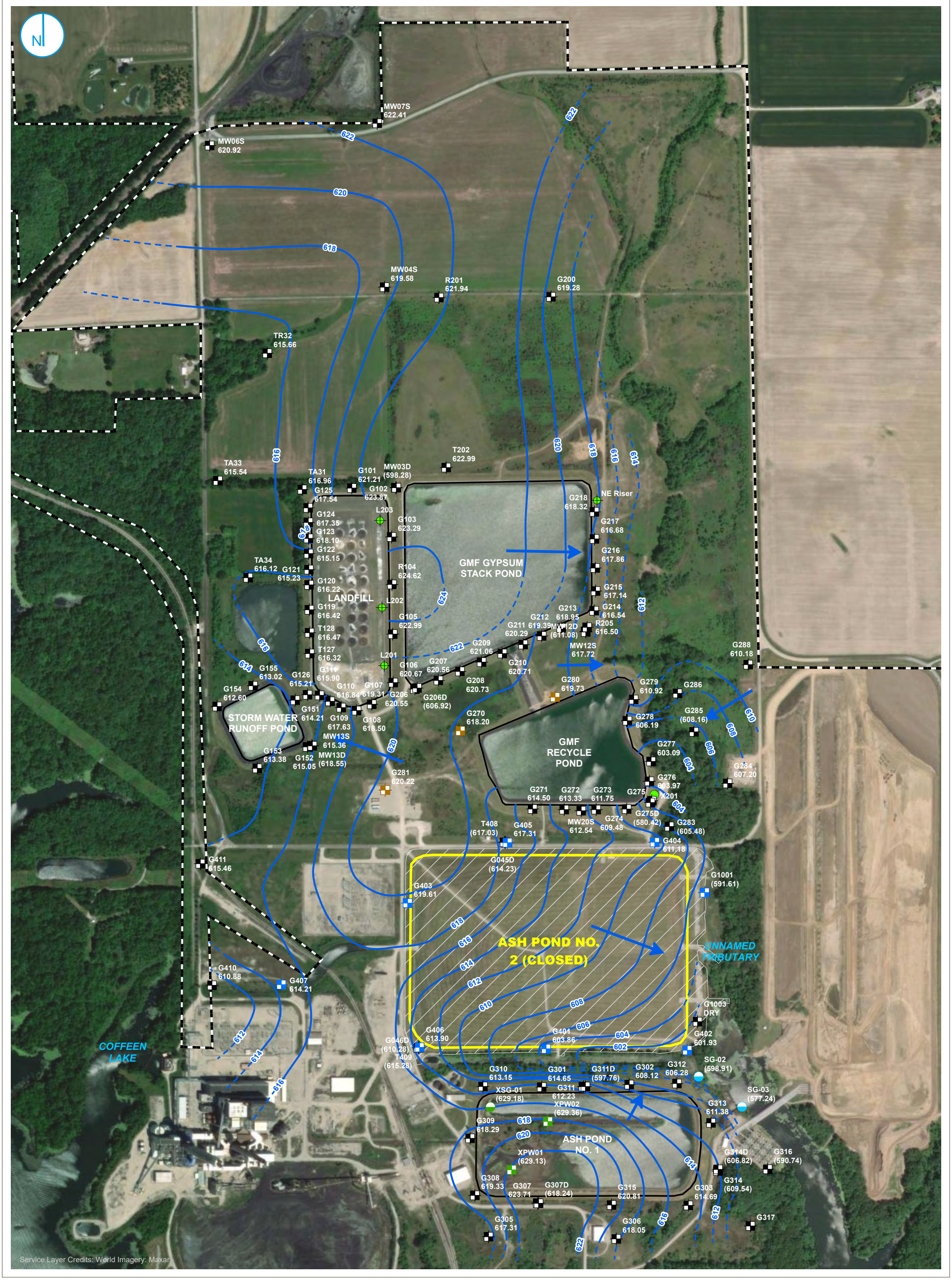
FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 12/4/2024 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\2285\MXD\GW_Contours\Round_2024\Coffeen\AP2_102\2024_AP2_102.aprx



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

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 325 650 Feet

NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

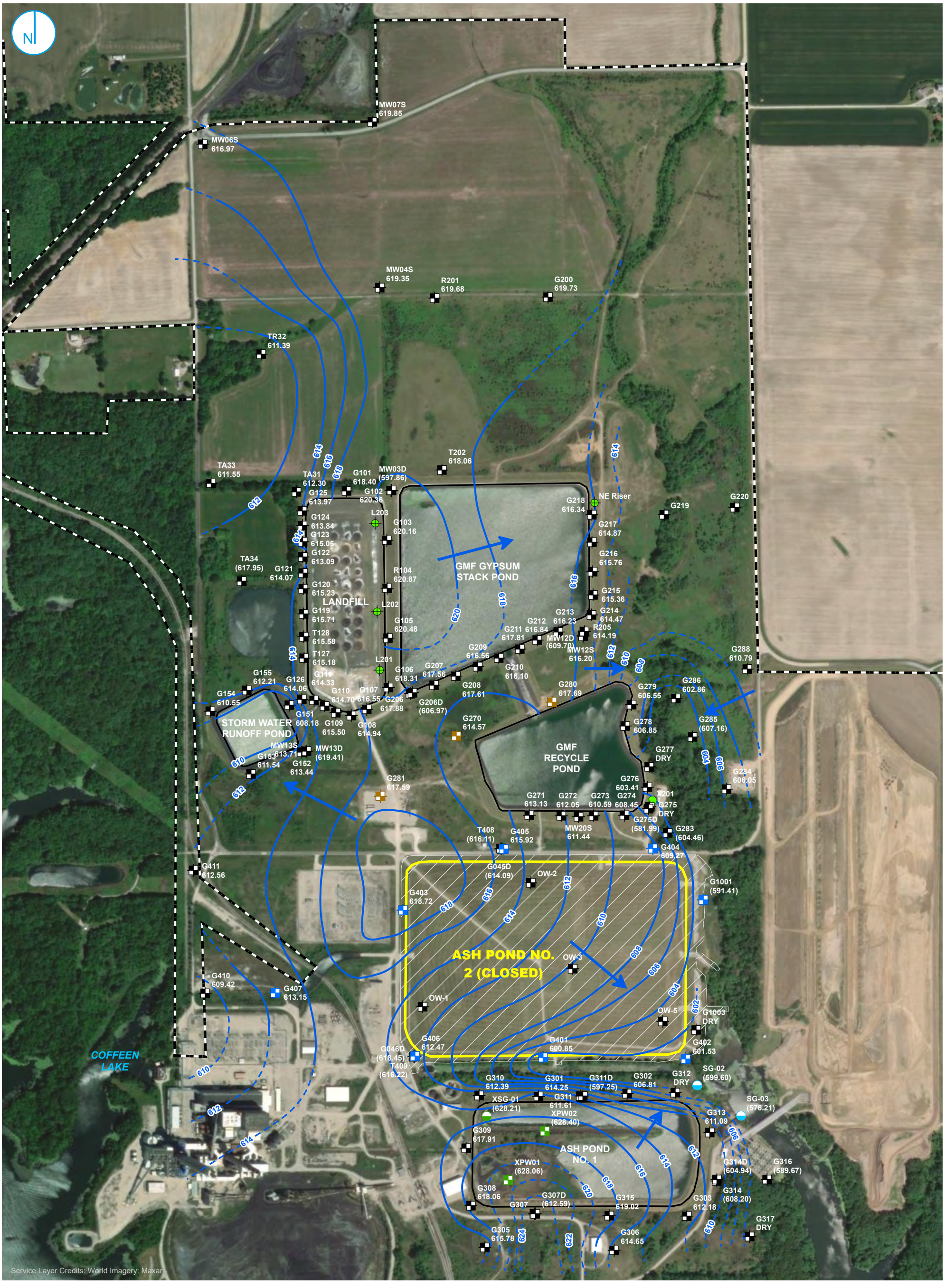
POTENTIOMETRIC SURFACE MAP JULY 29 AND 30, 2024

FIGURE 4

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 2
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL



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

- GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 325 650 Feet

NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

POTENTIOMETRIC SURFACE MAP OCTOBER 28 AND 29, 2024

FIGURE 5

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
ASH POND NO. 2
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

APPENDICES

APPENDIX A
LABORATORY REPORTS AND FIELD DATA SHEETS

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	03003
Oklahoma	9978

RE: COF-23Q4 **WorkOrder:** 23110002

Dear Eric Bauer:

TEKLAB, INC received 16 samples for COF_257_102 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

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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)

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
Work Order: 23110002
Client Project: COF-23Q4
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_257_102 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: 23110002-039 **Client Sample ID:** G270

Matrix: GROUNDWATER **Collection Date:** 11/17/2023 9:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.90**	ft	1	11/17/2023 9:13	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**10**	NTU	1	11/17/2023 9:13	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**98**	mV	1	11/17/2023 9:13	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**689**	µS/cm	1	11/17/2023 9:13	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.2**	°C	1	11/17/2023 9:13	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.91**	mg/L	1	11/17/2023 9:13	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**7.12**		1	11/17/2023 9:13	R339628
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**460**	mg/L	1	11/21/2023 9:32	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**50**	mg/L	1	11/29/2023 0:51	R339808
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.38**	mg/L	1	11/28/2023 10:38	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**15**	mg/L	1	11/29/2023 0:51	R339847
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**58.1**	mg/L	1	11/22/2023 15:09	214920
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/22/2023 0:46	214920
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	11/22/2023 0:46	214920
Barium	NELAP	0.7	1.0		**64.9**	µg/L	5	11/22/2023 0:46	214920
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 0:46	214920
Boron	NELAP	12.5	20.0		**< 20.0**	µg/L	5	11/23/2023 1:16	214920
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 0:46	214920
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/22/2023 0:46	214920
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	11/22/2023 0:46	214920
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/22/2023 0:46	214920
Lithium	*	1.4	3.0		**3.1**	µg/L	5	11/23/2023 1:16	214920
Molybdenum	NELAP	0.6	1.5	J	**1.1**	µg/L	5	11/22/2023 0:46	214920
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/22/2023 0:46	214920
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/22/2023 0:46	214920
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/30/2023 12:07	215313

Laboratory Results

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

Client: Ramboll **Work Order:** 23110002

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

Lab ID: 23110002-050 **Client Sample ID:** G280

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 9:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.91**	ft	1	11/20/2023 9:50	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.9**	NTU	1	11/20/2023 9:50	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**107**	mV	1	11/20/2023 9:50	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**849**	µS/cm	1	11/20/2023 9:50	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.7**	°C	1	11/20/2023 9:50	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.79**	mg/L	1	11/20/2023 9:50	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**7.39**		1	11/20/2023 9:50	R339628
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**608**	mg/L	1	11/21/2023 13:24	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**113**	mg/L	10	11/29/2023 2:51	R339808
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.33**	mg/L	1	11/28/2023 10:42	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**70**	mg/L	2	11/29/2023 2:40	R339847
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**91.5**	mg/L	1	11/30/2023 11:48	215174
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.5	1.0		**< 1.0**	µg/L	5	11/30/2023 12:49	215174
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	11/30/2023 1:05	215174
Barium	NELAP	0.7	1.0		**61.1**	µg/L	5	11/30/2023 1:05	215174
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 1:05	215174
Boron	NELAP	9.2	20	J	**10**	µg/L	5	11/30/2023 1:05	215174
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 1:05	215174
Chromium	NELAP	0.7	1.5	J	**1.4**	µg/L	5	11/30/2023 12:49	215174
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	11/30/2023 1:05	215174
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 12:49	215174
Lithium	*	1.4	3.0		**5.4**	µg/L	5	11/30/2023 1:05	215174
Molybdenum	NELAP	0.6	1.5		**2.4**	µg/L	5	11/30/2023 1:05	215174
Selenium	NELAP	0.6	1.0		**1.3**	µg/L	5	11/30/2023 1:05	215174
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/30/2023 1:05	215174
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/29/2023 13:50	215196

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

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

Lab ID: 23110002-051 **Client Sample ID:** G281

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 8:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.59**	ft	1	11/20/2023 8:56	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.4**	NTU	1	11/20/2023 8:56	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**112**	mV	1	11/20/2023 8:56	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1250**	µS/cm	1	11/20/2023 8:56	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.1**	°C	1	11/20/2023 8:56	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.54**	mg/L	1	11/20/2023 8:56	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.90**		1	11/20/2023 8:56	R339628
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**958**	mg/L	1	11/21/2023 13:25	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**293**	mg/L	10	11/29/2023 3:23	R339808
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.36**	mg/L	1	11/28/2023 10:48	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**74**	mg/L	2	11/29/2023 3:17	R339847
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**152**	mg/L	1	11/30/2023 11:49	215174
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.5	1.0		**< 1.0**	µg/L	5	11/30/2023 12:56	215174
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	11/30/2023 1:11	215174
Barium	NELAP	0.7	1.0		**65.1**	µg/L	5	11/30/2023 1:11	215174
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 1:11	215174
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	11/30/2023 1:11	215174
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 1:11	215174
Chromium	NELAP	0.7	1.5	J	**1.0**	µg/L	5	11/30/2023 12:56	215174
Cobalt	NELAP	0.1	1.0	J	**0.6**	µg/L	5	11/30/2023 1:11	215174
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 12:56	215174
Lithium	*	1.4	3.0		**4.4**	µg/L	5	11/30/2023 1:11	215174
Molybdenum	NELAP	0.6	1.5	J	**0.8**	µg/L	5	11/30/2023 1:11	215174
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 1:11	215174
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/30/2023 1:11	215174
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/29/2023 12:22	215196

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

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

Lab ID: 23110002-074 **Client Sample ID:** G401

Matrix: GROUNDWATER **Collection Date:** 11/21/2023 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**13.63**	ft	1	11/21/2023 9:24	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**28**	NTU	1	11/21/2023 9:24	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**15**	mV	1	11/21/2023 9:24	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2830**	µS/cm	1	11/21/2023 9:24	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.9**	°C	1	11/21/2023 9:24	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.13**	mg/L	1	11/21/2023 9:24	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**5.89**		1	11/21/2023 9:24	R339628
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**2940**	mg/L	2.5	11/22/2023 9:40	R339719
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**1980**	mg/L	50	11/29/2023 17:49	R339891
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.20**	mg/L	1	11/28/2023 10:50	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**3**	mg/L	1	12/01/2023 12:04	R340022
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**553**	mg/L	1	11/29/2023 17:53	215175
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	12/02/2023 1:52	215175
Arsenic	NELAP	0.4	1.0		**1.6**	µg/L	5	11/30/2023 4:12	215175
Barium	NELAP	0.7	1.0		**13.2**	µg/L	5	11/30/2023 4:12	215175
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 4:12	215175
Boron	NELAP	9.2	20.0		**5370**	µg/L	5	11/30/2023 4:12	215175
Cadmium	NELAP	0.2	1.0	J	**0.3**	µg/L	5	11/30/2023 4:12	215175
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/30/2023 15:51	215175
Cobalt	NELAP	0.1	1.0		**206**	µg/L	5	11/30/2023 4:12	215175
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 15:51	215175
Lithium	*	1.4	3.0		**32.9**	µg/L	5	11/30/2023 4:12	215175
Molybdenum	NELAP	0.8	1.5		**< 1.5**	µg/L	5	11/30/2023 4:12	215175
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 4:12	215175
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/30/2023 4:12	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 11:39	215244

Laboratory Results

Client: Ramboll **Work Order:** 23110002

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

Lab ID: 23110002-075 **Client Sample ID:** G402

Matrix: GROUNDWATER **Collection Date:** 11/21/2023 8:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.71**	ft	1	11/21/2023 8:37	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**21**	NTU	1	11/21/2023 8:37	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**158**	mV	1	11/21/2023 8:37	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1580**	µS/cm	1	11/21/2023 8:37	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.0**	°C	1	11/21/2023 8:37	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.40**	mg/L	1	11/21/2023 8:37	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.66**		1	11/21/2023 8:37	R339628
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1360**	mg/L	2.5	11/22/2023 9:50	R339719
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**599**	mg/L	50	11/29/2023 17:58	R339891
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	11/28/2023 10:52	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**2**	mg/L	1	11/29/2023 17:53	R339907
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**213**	mg/L	1	11/29/2023 17:55	215175
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	12/02/2023 1:56	215175
Arsenic	NELAP	0.4	1.0		**2.4**	µg/L	5	11/30/2023 4:18	215175
Barium	NELAP	0.7	1.0		**28.1**	µg/L	5	11/30/2023 4:18	215175
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 4:18	215175
Boron	NELAP	9.2	20.0		**8130**	µg/L	5	11/30/2023 4:18	215175
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 4:18	215175
Chromium	NELAP	0.7	1.5		**1.5**	µg/L	5	11/30/2023 15:57	215175
Cobalt	NELAP	0.1	1.0		**1.5**	µg/L	5	11/30/2023 4:18	215175
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 15:57	215175
Lithium	*	1.4	3.0		**32.0**	µg/L	5	11/30/2023 4:18	215175
Molybdenum	NELAP	0.8	1.5		**2.4**	µg/L	5	11/30/2023 4:18	215175
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 4:18	215175
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/30/2023 4:18	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	0.08	0.20		**< 0.20**	µg/L	1	11/30/2023 10:15	215244

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

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

Lab ID: 23110002-076 **Client Sample ID:** G403

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 11:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.27**	ft	1	11/20/2023 11:41	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.2**	NTU	1	11/20/2023 11:41	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**112**	mV	1	11/20/2023 11:41	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**685**	µS/cm	1	11/20/2023 11:41	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.1**	°C	1	11/20/2023 11:41	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.22**	mg/L	1	11/20/2023 11:41	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.90**		1	11/20/2023 11:41	R339628
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**508**	mg/L	1	11/21/2023 14:37	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**74**	mg/L	2	11/29/2023 18:05	R339891
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	11/28/2023 10:53	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**5**	mg/L	1	11/29/2023 18:01	R339907
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**85.9**	mg/L	1	11/29/2023 17:56	215175
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	12/02/2023 2:00	215175
Arsenic	NELAP	0.4	1.0	J	**0.4**	µg/L	5	11/30/2023 4:24	215175
Barium	NELAP	0.7	1.0		**139**	µg/L	5	11/30/2023 4:24	215175
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 4:24	215175
Boron	NELAP	9.2	20	J	**20**	µg/L	5	11/30/2023 4:24	215175
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 4:24	215175
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	11/30/2023 16:03	215175
Cobalt	NELAP	0.1	1.0		**2.6**	µg/L	5	11/30/2023 4:24	215175
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 16:03	215175
Lithium	*	1.4	3.0		**4.5**	µg/L	5	11/30/2023 4:24	215175
Molybdenum	NELAP	0.8	1.5		**< 1.5**	µg/L	5	11/30/2023 4:24	215175
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 4:24	215175
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/30/2023 4:24	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	11/29/2023 11:05	215226

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

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

Lab ID: 23110002-077 **Client Sample ID:** G404

Matrix: GROUNDWATER **Collection Date:** 11/21/2023 10:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.48**	ft	1	11/21/2023 10:07	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.1**	NTU	1	11/21/2023 10:07	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**85**	mV	1	11/21/2023 10:07	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2030**	µS/cm	1	11/21/2023 10:07	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.7**	°C	1	11/21/2023 10:07	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.09**	mg/L	1	11/21/2023 10:07	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.67**		1	11/21/2023 10:07	R339628
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1370**	mg/L	1	11/22/2023 9:40	R339719
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**647**	mg/L	50	11/29/2023 18:13	R339891
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.19**	mg/L	1	11/28/2023 10:55	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**71**	mg/L	2	11/29/2023 18:09	R339907
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**273**	mg/L	1	11/29/2023 17:58	215175
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	12/02/2023 2:04	215175
Arsenic	NELAP	0.4	1.0	J	**0.7**	µg/L	5	11/30/2023 5:14	215175
Barium	NELAP	0.7	1.0		**36.9**	µg/L	5	11/30/2023 5:14	215175
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 5:14	215175
Boron	NELAP	9.2	20.0		**21200**	µg/L	5	11/30/2023 5:14	215175
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 5:14	215175
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	11/30/2023 17:09	215175
Cobalt	NELAP	0.1	1.0	J	**0.6**	µg/L	5	11/30/2023 5:14	215175
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 17:09	215175
Lithium	*	1.4	3.0		**11.6**	µg/L	5	11/30/2023 5:14	215175
Molybdenum	NELAP	0.8	1.5	J	**1.1**	µg/L	5	11/30/2023 5:14	215175
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 5:14	215175
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/30/2023 5:14	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 10:17	215244

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

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

Lab ID: 23110002-078 **Client Sample ID:** G405

Matrix: GROUNDWATER **Collection Date:** 11/21/2023 10:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.73**	ft	1	11/21/2023 10:32	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.5**	NTU	1	11/21/2023 10:32	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**76**	mV	1	11/21/2023 10:32	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1840**	µS/cm	1	11/21/2023 10:32	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	11/21/2023 10:32	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.08**	mg/L	1	11/21/2023 10:32	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.95**		1	11/21/2023 10:32	R339628
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1610**	mg/L	1	11/22/2023 9:41	R339719
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**897**	mg/L	50	11/29/2023 18:21	R339891
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.47**	mg/L	1	11/28/2023 10:56	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**17**	mg/L	1	11/29/2023 18:17	R339907
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**248**	mg/L	1	11/29/2023 18:00	215175
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.8**	µg/L	5	12/02/2023 2:08	215175
Arsenic	NELAP	0.4	1.0		**1.6**	µg/L	5	11/30/2023 5:20	215175
Barium	NELAP	0.7	1.0		**25.9**	µg/L	5	11/30/2023 5:20	215175
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 5:20	215175
Boron	NELAP	9.2	20.0		**15400**	µg/L	5	11/30/2023 5:20	215175
Cadmium	NELAP	0.2	1.0	J	**0.2**	µg/L	5	11/30/2023 5:20	215175
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	11/30/2023 17:15	215175
Cobalt	NELAP	0.1	1.0		**1.5**	µg/L	5	11/30/2023 5:20	215175
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 17:15	215175
Lithium	*	1.4	3.0		**4.7**	µg/L	5	11/30/2023 5:20	215175
Molybdenum	NELAP	0.8	1.5	J	**1.5**	µg/L	5	11/30/2023 5:20	215175
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 5:20	215175
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/30/2023 5:20	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 11:41	215244

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

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

Lab ID: 23110002-079 **Client Sample ID:** G406

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**13.83**	ft	1	11/20/2023 13:20	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.0**	NTU	1	11/20/2023 13:20	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**127**	mV	1	11/20/2023 13:20	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1210**	µS/cm	1	11/20/2023 13:20	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.7**	°C	1	11/20/2023 13:20	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.81**	mg/L	1	11/20/2023 13:20	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.59**		1	11/20/2023 13:20	R339628
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1060**	mg/L	1	11/21/2023 14:26	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**450**	mg/L	10	11/29/2023 18:42	R339891
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.32**	mg/L	1	11/28/2023 10:58	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**5**	mg/L	1	11/29/2023 18:25	R339907
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**206**	mg/L	1	11/29/2023 18:01	215175
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	12/02/2023 2:12	215175
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/30/2023 5:27	215175
Barium	NELAP	0.7	1.0		**20.1**	µg/L	5	11/30/2023 5:27	215175
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 5:27	215175
Boron	NELAP	9.2	20.0		**2290**	µg/L	5	11/30/2023 5:27	215175
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 5:27	215175
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/30/2023 17:22	215175
Cobalt	NELAP	0.1	1.0	J	**0.8**	µg/L	5	11/30/2023 5:27	215175
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 17:22	215175
Lithium	*	1.4	3.0		**18.3**	µg/L	5	11/30/2023 5:27	215175
Molybdenum	NELAP	0.8	1.5		**< 1.5**	µg/L	5	11/30/2023 5:27	215175
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 5:27	215175
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/30/2023 5:27	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	11/29/2023 11:07	215226

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

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

Lab ID: 23110002-080 **Client Sample ID:** G407

Matrix: GROUNDWATER **Collection Date:** 11/20/2023 12:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.31**	ft	1	11/20/2023 12:18	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**10**	NTU	1	11/20/2023 12:18	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**124**	mV	1	11/20/2023 12:18	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2980**	µS/cm	1	11/20/2023 12:18	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.2**	°C	1	11/20/2023 12:18	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.56**	mg/L	1	11/20/2023 12:18	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.57**		1	11/20/2023 12:18	R339628
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2010**	mg/L	1	11/21/2023 14:37	R339670
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**1010**	mg/L	50	11/29/2023 18:51	R339891
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.33**	mg/L	1	11/28/2023 10:13	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**12**	mg/L	1	11/29/2023 18:46	R339907
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**397**	mg/L	1	11/29/2023 18:10	215175
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	12/02/2023 2:16	215175
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	11/30/2023 5:33	215175
Barium	NELAP	0.7	1.0		**19.3**	µg/L	5	11/30/2023 5:33	215175
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 5:33	215175
Boron	NELAP	9.2	20.0		**139**	µg/L	5	11/30/2023 5:33	215175
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/30/2023 5:33	215175
Chromium	NELAP	0.7	1.5	J	**1.0**	µg/L	5	11/30/2023 17:28	215175
Cobalt	NELAP	0.1	1.0		**2.0**	µg/L	5	11/30/2023 5:33	215175
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 17:28	215175
Lithium	*	1.4	3.0		**71.8**	µg/L	5	11/30/2023 5:33	215175
Molybdenum	NELAP	0.8	1.5		**2.2**	µg/L	5	11/30/2023 5:33	215175
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/30/2023 5:33	215175
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/30/2023 5:33	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	11/29/2023 10:40	215226

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 23110002

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

Lab ID: 23110002-083 **Client Sample ID:** G1001

Matrix: GROUNDWATER **Collection Date:** 11/14/2023 11:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.49**	ft	1	11/14/2023 11:36	R339628
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**10**	NTU	1	11/14/2023 11:36	R339628
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**0**	mV	1	11/14/2023 11:36	R339628
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1220**	µS/cm	1	11/14/2023 11:36	R339628
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.7**	°C	1	11/14/2023 11:36	R339628
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.59**	mg/L	1	11/14/2023 11:36	R339628
SW-846 9040B FIELD									
pH	*	0	1.00		**6.97**		1	11/14/2023 11:36	R339628
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**900**	mg/L	2.5	11/17/2023 9:54	R339458
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**291**	mg/L	10	11/17/2023 2:31	R339393
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.32**	mg/L	1	11/28/2023 10:14	R339781
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**16**	mg/L	1	11/17/2023 2:26	R339442
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**131**	mg/L	1	11/22/2023 15:14	214920
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**4.9**	µg/L	5	11/22/2023 2:16	214920
Arsenic	NELAP	0.4	1.0		**1.5**	µg/L	5	11/22/2023 2:16	214920
Barium	NELAP	0.7	1.0		**91.7**	µg/L	5	11/22/2023 2:16	214920
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 2:16	214920
Boron	NELAP	12.5	20.0		**1100**	µg/L	5	11/23/2023 1:46	214920
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/22/2023 2:16	214920
Chromium	NELAP	0.7	1.5		**2.8**	µg/L	5	11/22/2023 2:16	214920
Cobalt	NELAP	0.1	1.0		**1.9**	µg/L	5	11/22/2023 2:16	214920
Lead	NELAP	0.6	1.0		**1.1**	µg/L	5	11/22/2023 2:16	214920
Lithium	*	1.4	3.0		**10.5**	µg/L	5	11/23/2023 1:46	214920
Molybdenum	NELAP	0.6	1.5		**8.4**	µg/L	5	11/22/2023 2:16	214920
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/22/2023 2:16	214920
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/22/2023 2:16	214920
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/22/2023 14:20	214958

Laboratory Results

Client: Ramboll **Work Order:** 23110002

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

Lab ID: 23110002-084 **Client Sample ID:** G1003

Matrix: GROUNDWATER **Collection Date:** 11/13/2023 10:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**Dry**	ft	1	11/13/2023 10:20	R339628

Laboratory Results

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

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24
Lab ID: 23110002-093
Client Sample ID: YSG02
Matrix: GROUNDWATER
Collection Date: 11/13/2023 14:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.36**	ft	1	11/13/2023 14:03	R339628

Laboratory Results

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

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
Report Date: 08-Jan-24
Lab ID: 23110002-094
Client Sample ID: YSG03
Matrix: GROUNDWATER
Collection Date: 11/13/2023 13:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.71**	ft	1	11/13/2023 13:53	R339628

Laboratory Results

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

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 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
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

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
23110002-039	G270	Groundwater	6	11/17/2023 9:13
23110002-050	G280	Groundwater	6	11/20/2023 9:50
23110002-051	G281	Groundwater	4	11/20/2023 8:56
23110002-074	G401	Groundwater	4	11/21/2023 9:24
23110002-075	G402	Groundwater	4	11/21/2023 8:37
23110002-076	G403	Groundwater	4	11/20/2023 11:41
23110002-077	G404	Groundwater	4	11/21/2023 10:07
23110002-078	G405	Groundwater	4	11/21/2023 10:32
23110002-079	G406	Groundwater	4	11/20/2023 13:20
23110002-080	G407	Groundwater	4	11/20/2023 12:18
23110002-083	G1001	Groundwater	2	11/14/2023 11:36
23110002-084	G1003	Groundwater	1	11/13/2023 10:20
23110002-093	YSG02	Groundwater	1	11/13/2023 14:03
23110002-094	YSG03	Groundwater	1	11/13/2023 13:53
23110002-095	YSG04	Groundwater	1	11/13/2023 14:21
23110002-102	Field Blank	Aqueous	15	11/21/2023 10:36

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

http://www.teklabinc.com/

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

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 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

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:** 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. 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 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. 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 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.
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Quality Control Results

http://www.teklabinc.com/

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

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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 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

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
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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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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

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 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
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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

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 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

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Environmental Laboratory

Quality Control Results

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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

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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

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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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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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

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

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

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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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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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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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Client: Ramboll **Work Order:** 23110002

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

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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

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
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SW-846 9036 (TOTAL)

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

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Environmental Laboratory

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Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
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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

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Quality Control Results

Client: Ramboll
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Client Project: COF-23Q4
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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

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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

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Client: Ramboll **Work Order:** 23110002

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

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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

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Client: Ramboll **Work Order:** 23110002

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

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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

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Client: Ramboll **Work Order:** 23110002

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

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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

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Client: Ramboll **Work Order:** 23110002

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

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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

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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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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

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Client: Ramboll
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Client Project: COF-23Q4
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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

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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

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
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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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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

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

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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 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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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

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 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

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Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
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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

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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 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

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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 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

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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 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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Client: Ramboll **Work Order:** 23110002

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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

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Quality Control Results

Client: Ramboll
Work Order: 23110002
Client Project: COF-23Q4
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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

http://www.teklabinc.com/

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

http://www.teklabinc.com/

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

http://www.teklabinc.com/

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

http://www.teklabinc.com/

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

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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

http://www.teklabinc.com/

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

http://www.teklabinc.com/

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

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 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.
Environmental Laboratory

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

http://www.teklabinc.com/

Client: Ramboll
Client Project: COF-23Q4

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

Carrier: Justin Colp

Completed by: Lindsey Maddox
On: 15-Nov-23

Received By: HAW

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

COF-257102

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: DRINKING WATER DW; WATER WT, WW, P; WASTE WATER SL; PRODUCT OL; SOIL/SOLID WP, AR; OIL OT, TS; WIPE; AIR; OTHER

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; TIME

SAMPLE TEMP AT COLLECTION

OF CONTAINERS

Preservatives: Unpreserved; H_2SO_4; HNO_3; HCl; NaOH; $Na_2S_2O_3$; Methanol; Other

Requested Analysis Filtered (Y/N)

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)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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
COF-23Q4 Rev 0	J. Colp	11-14	1745	[signature]	11/14	1745

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
10.0	Y		Y

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 (93773) to G102, G200 a R201. HW 11/15/23

COF-257-002

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 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	

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 (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	Y	N	
COF-23Q4 Rev 0	J. Colp	11-14	1745	[signature]	~~11/28~~ 11/14	1745				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:	[signature]	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:

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

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.
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

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

Valid Matrix Codes: DRINKING WATER DW; WATER WT, WW, P; WASTE WATER SL; PRODUCT OL; SOIL/SOLID WP; OIL AR; WIPE OT; AIR TS; 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	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	Y	N	
COF-23Q4 Rev 0	J. Colp	11-14	1745	[signature]	11/14	1745				

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				

TE 12pm 11/14/23

APPENDIX C

#5

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

Valid Matrix Codes

MATRIX: DRINKING WATER DW, WT; WATER WW, P; WASTE WATER SL; PRODUCT OL; SOIL/SOLID WP, AR; OIL OT, TS; WIPE; AIR; OTHER

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, TIME

SAMPLE TEMP AT COLLECTION

OF CONTAINERS; Preservatives: Unpreserved, H_2SO_4, HNO_3, HCl, NaOH, $Na_2S_2O_3$, Methanol, Other

Requested Analysis Filtered (Y/N)

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)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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: [signature] 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. HV 11/16/23

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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 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				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

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): 11-15-23

TE ~~APPENDIX A~~ 7 of 7

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	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			
COF-23Q4 Rev 0	J. Colp	11-15	1600	[signature]		11/15	1600		Y	N	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 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	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	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	Y	N	
COF-23Q4 Rev 0	J. Colp	11-15	1600		11/15	1600				

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): 11-15-23				

L 31100002

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	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	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	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				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		11/16/23	TE Smm 1605 1500	17.6	>	N	Y

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER: Daniel Crump						
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 11.16.2023	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Added HNO3 (93773) to L202.
pH √ 7929/90719 (Smm)
11/16/23
TE Smm

CHAIN-OF-CUSTODY / Analytical Request Document

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

3.6° #1

COF-257-102

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	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	Samantha Davies	11/16/23	1615	3.6	Y	N	Y
							DI 1			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp 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)

Added HNO3 (93773) to TEAM G209 and G217. Added H2SO4 (90128) to G217. pH+V 79429/90719 Om 11/17/23

23110002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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	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
COF-23Q4 Rev 0	J. Colp	11-16	1615		11/16/23	1615

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): 11-16-23

COF-257-102
23110002

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 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

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 #	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						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
COF-23Q4 Rev 0	J. Colp	11-17	1400	[signature]	11/17	1400

SAMPLE CONDITIONS			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
14.4	Y	N	Y
LTCU			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-17-23

Dropped ~~the~~ XPW02 upon arrival. Spilled 2/3 of bottle. LTCU 11/17

pH: 907119/79929 LTCU 11/17

23110002

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 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

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	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			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		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		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		X			23110002-044
13	G275D				DRY		2	1		1										X						X					23110002-045
14	G276				1134		6	2	1	2		1								X						X		X			23110002-046
15	G277			↓	DRY		6	2	1	2		1								X						X		X			23110002-047
16	G278						6	2	1	2		1																X			23110002-048

Requested Analysis Filtered (Y/N)

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)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	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: 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			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	

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): 11-17-23

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

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	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		Y	N	

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)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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.
	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		Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: 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)

COF-257-102

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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

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						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

R2311002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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: 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	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							6	2	1	2		1					X		X				X		X	X	X			23110002-039
8	G271							6	2	1	2		1							X						X					23110002-040
9	G272							6	2	1	2		1													X					23110002-041
10	G273							6	2	1	2		1							X						X					23110002-042
11	G274							6	2	1	2		1													X					23110002-043
12	G275							6	2	1	2		1							X						X					23110002-044
13	G275D							2	1		1									X						X					23110002-045
14	G276							6	2	1	2		1							X						X					23110002-046
15	G277							6	2	1	2		1							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

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	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				

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; WT; WATER WW; P; WASTE WATER SL; PRODUCT OL; SOIL/SOLID WP; AR; OIL OT; TS; WIPE; AIR; OTHER

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	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
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)

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. Calp	11-20	1645			11/20/23	1645		Y	N	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Calp		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): 11-20-23				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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, 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	T128						5	2	1	1		1										X									23110002-097
2	X201			11-20-23	1408		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	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	Y	N	
COF-23Q4 Rev 0	J. Colp	11-20	1645		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 Colp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-20-23				

COF-257/102 2

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	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	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	≤6 ✓ Z
							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.

Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	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, WP; SOIL/SOLID AR, OT, TS; OIL; WIPE; AIR; OTHER

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	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: [signature] 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

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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; 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	T128						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			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.

Page: 7 of 7

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	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	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						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	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																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Cole	12-6	1307	[illegible]	12/6/23	1307	#7	Y	N	
(resampling, only)							7.8			

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cole				
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)

CHAIN-OF-CUSTODY / Analytical Request Document

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23110002
COF-257-102

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	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-23Q4 Rev 0	J. Cole	12-7	1255	[signature]	12/7/23	1255	#5
							10.0

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cole				
SIGNATURE of SAMPLER:	[signature]	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)
	Y	N	

Added HNO_3 (94914) to G275D LM 12/7
PH: 90719

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

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			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

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	12-7	1255*		12/7/23	1255	

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): 12-7-23

*Added relinquished time. EAH 12/18/23

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 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	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	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			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

SIGNATURE of SAMPLER: [signature] 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)

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:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	61
Receiving Check List	63
Chain of Custody	Appended

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)

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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

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

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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

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

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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

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

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

Laboratory Results

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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

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

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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

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

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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

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

Laboratory Results

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

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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

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

Laboratory Results

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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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

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

Laboratory Results

Teklab, Inc.
Environmental Laboratory
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
Work Order: 23110003
Client Project: COF-23Q4
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

http://www.teklabinc.com/

Client: Ramboll
Client Project: COF-23Q4

Work Order: 23110003
Report Date: 10-Jan-24

Carrier: Justin Colp

Completed by: Lindsey Maddox
On: 15-Nov-23

Received By: LM

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

Receiving Check List

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

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

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

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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/~~74929~~ TE HW 11/15/23

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 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

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																				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		X				23110003-006
9	G206						2			2									X						X		X				23110003-007
10	G206D						2			2									X						X						23110003-008
11	G207			11-14-23	0849																				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	11-14	1745		11/14/23	1745	#5 / 6.2
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)
	Y	N	4

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

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			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	N	
Radium 226/228, only.										

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				

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 #	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						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	
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: [signature] 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	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	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

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	11-15	1600		11/15	11000	
Radium 226/228, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		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

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	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				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					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		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.

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

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	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	Shelia Dissell	11/16/23	1500	17.6
Radium 226/228, only.							UA1

SAMPLE CONDITIONS	Y	N	
Temp in °C			
Received on Ice (Y/N)			Y
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

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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																					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			11-16-23	1421																				X			X			N/A
15	G211			"	1353																				X			X			N/A
16	G212			"	1312		2			2									X						X			X			23110003-010

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	11-16	1615	Amber DiLallo	11/16/23	1605	3.6 (x2)	Y	N	Y
Radium 226/228, only.										

PHW 90719. Added HNO3(93773) to G209 and G218. HW 11/17

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		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)

23110003
COF-257/102

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	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	SAMPLE CONDITIONS	Y	N	
COF-23Q4 Rev 0	J. Colp	11-16	1615	Amber Dilallo	11/16/23	1615				
Radium 226/228, only.							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): 11-16-23

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

COF-257/102 3

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	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:

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	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	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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-23Q4 Rev 0	J. Colp	11-17	1400	Andrea	11/17	1400
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): 11-17-23

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:

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	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		Y	N	
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)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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				

23110003
ACOF-257-103

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:		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	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				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		X			23110003-006
9	G206							2			2								X						X		X			23110003-007
10	G206D							2			2								X						X					23110003-008
11	G207																		X						X		X			N/A
12	G208																		X						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					23110003-010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-23Q4 Rev 0	J. Colp	11-20	1645	Donald Wan	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: Justin Colp DATE Signed (MM/DD/YY): 11-20-23

PH 90719
Added HNO_3 to G3H, G34D, G285, G407 (93773)

LTG 5

LM 11/21

COF-257/102 3

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	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

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	11-20	1645	[signature]	11/20/23	1645	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): 11-20-23				

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

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.
	Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS															Requested Analysis Filtered (Y/N)														
1	G279						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			↓	0956		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	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): 11-20-23				

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	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																							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)

PAHDB03

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			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: 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)
	Y	N	

23110003
COF-257-102

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	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): 11-20-23				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	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.
								Requested Analysis Filtered (Y/N)																									
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 un 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)

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	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			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:		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)

COF-257-102 (2)(1)(0)3

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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	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	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	SAMPLE CONDITIONS			
COF-23Q4 Rev 0	J. Colp	11-21	1220	Mary Kump	11/21/23	1220		Y	N	
Radium 226/228, only.							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): 11-21-23

23110003 COF-23Q4-102

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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.
								Requested Analysis Filtered (Y/N)																										
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	[signature]	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				
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				

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

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JOB DESCRIPTION

Radium-226 and Radium-228
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.

myEOL

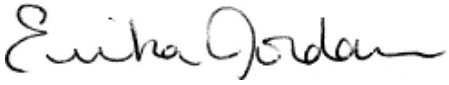
Eurofins St. Louis

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

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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),

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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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**
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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:

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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
[signature]	11/21/23	[signature]	11/22/23 1305

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3/2/2016

TEKLAB, INC. Chain of Custody

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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

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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

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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
Linda Sabella	11/21/23	Sina Wright	11/22/23 1305

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TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level: 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

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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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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									
	23110003-045	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
Erin Dilalla	11/21/23	Sina Mangum	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:

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													
			HNO3	Groundwater													

*Relinquished By	Date/Time	Received By	Date/Time
Conor Dolan	11/21/23	Sina Wayne	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 Korninger	12/8/2023
		~~Micha Korninger~~	

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT, ASH POND NO. 2
COF-257-102
APPENDIX A.

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA
3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-52329-1
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 Results

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

Job ID: 160-52329-1
SDG: 23110003

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

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 Results

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

Job ID: 160-52329-1
SDG: 23110003

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 Results

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

Job ID: 160-52329-1
SDG: 23110003

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

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 Results

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

Job ID: 160-52329-1
SDG: 23110003

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 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 Results

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

Job ID: 160-52329-1
SDG: 23110003

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

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

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-640393/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 643226 — **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 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 643283 — **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 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 643233 — **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 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 643233 — **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*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 160-52329-9 DU | **Client Sample ID: 23110003-009**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 643233 | **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 | **Client Sample ID: Method Blank**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 643079 | **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 | **Client Sample ID: Lab Control Sample**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 643079 | **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 | **Client Sample ID: 23110003-034**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 643079 | **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*

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*

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	

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
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)
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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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
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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)
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
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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
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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					

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

April 08, 2024

Eric Bauer
Ramboll
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Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: COF-24Q1 **WorkOrder:** 24020001

Dear Eric Bauer:

TEKLAB, INC received 17 samples for COF_257_102 on 2/22/2024 1:00:00 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

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

This reporting package includes the following:

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Laboratory Results	7
Sample Summary	36
Quality Control Results	37
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Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Definitions

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-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
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

Cooler Receipt Temp: 9.1 °C

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

G1003 could not be collected; the well was dry.

SG-02, SG-03, and XSG-01 date/time of measurement per SAR4. Equipment Blanks 2 and 3 were not required.

Per Eric Bauer's request, only COF_257_102 data is included in this report. EAH 4/8/24

Locations

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

Springfield
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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:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	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		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-001 **Client Sample ID:** AP2D

Matrix: GROUNDWATER **Collection Date:** 02/21/2024 14:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**20.34**	ft	1	02/21/2024 14:54	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**59**	NTU	1	02/21/2024 14:54	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**150**	mV	1	02/21/2024 14:54	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1920**	µS/cm	1	02/21/2024 14:54	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.7**	°C	1	02/21/2024 14:54	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.96**	mg/L	1	02/21/2024 14:54	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		**6.70**		1	02/21/2024 14:54	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**90**	mg/L	1	02/22/2024 17:26	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/22/2024 17:26	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1700**	mg/L	2.5	02/26/2024 11:48	R343638
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**1040**	mg/L	50	02/23/2024 11:17	R343641
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10	J	**0.10**	mg/L	1	02/23/2024 11:27	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**3**	mg/L	1	02/22/2024 16:19	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**372**	mg/L	1	02/22/2024 17:59	219022
Magnesium	NELAP	0.006	0.050		**50.6**	mg/L	1	02/22/2024 17:59	219022
Potassium	NELAP	0.400	1.00		**40.5**	mg/L	10	02/23/2024 14:57	219022
Sodium	NELAP	0.018	0.050		**38.6**	mg/L	1	02/22/2024 17:59	219022
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	BJ	**0.7**	µg/L	5	02/27/2024 19:30	219022
Arsenic	NELAP	0.4	1.0		**395**	µg/L	5	02/23/2024 22:56	219022
Barium	NELAP	0.7	1.0		**39.3**	µg/L	5	02/23/2024 22:56	219022
Beryllium	NELAP	0.2	1.0	J	**0.4**	µg/L	5	02/23/2024 22:56	219022
Boron	NELAP	9.2	20.0		**17700**	µg/L	5	02/27/2024 19:30	219022
Cadmium	NELAP	0.2	1.0	J	**0.6**	µg/L	5	02/23/2024 22:56	219022
Chromium	NELAP	0.8	1.5	J	**0.9**	µg/L	5	02/23/2024 22:56	219022
Cobalt	NELAP	0.1	1.0		**2.5**	µg/L	5	02/23/2024 22:56	219022
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/23/2024 22:56	219022
Lithium	*	1.4	3.0		**142**	µg/L	5	02/23/2024 22:56	219022
Molybdenum	NELAP	0.6	1.5		**794**	µg/L	5	02/27/2024 19:30	219022
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/27/2024 19:30	219022
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/23/2024 22:56	219022

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

Laboratory Results

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

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-001
Client Sample ID: AP2D
Matrix: GROUNDWATER
Collection Date: 02/21/2024 14:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	02/23/2024 15:59	219103

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-002 **Client Sample ID:** G1001

Matrix: GROUNDWATER **Collection Date:** 02/15/2024 13:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.31**	ft	1	02/15/2024 13:23	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.6**	NTU	1	02/15/2024 13:23	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**158**	mV	1	02/15/2024 13:23	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1310**	µS/cm	1	02/15/2024 13:23	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**10.1**	°C	1	02/15/2024 13:23	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**4.50**	mg/L	1	02/15/2024 13:23	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		**6.97**		1	02/15/2024 13:23	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**614**	mg/L	1	02/16/2024 14:06	R343193
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/16/2024 14:06	R343193
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1090**	mg/L	1	02/17/2024 10:10	R343246
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**349**	mg/L	10	02/19/2024 16:43	R343255
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.25**	mg/L	1	02/16/2024 13:59	R343192
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**20**	mg/L	1	02/19/2024 16:38	R343256
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**175**	mg/L	1	02/19/2024 15:54	218847
Magnesium	NELAP	0.006	0.050		**79.9**	mg/L	1	02/19/2024 15:54	218847
Potassium	NELAP	0.040	0.100		**2.19**	mg/L	1	02/19/2024 15:54	218847
Sodium	NELAP	0.022	0.050		**76.3**	mg/L	1	02/19/2024 15:54	218847
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/22/2024 1:40	218847
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/22/2024 1:40	218847
Barium	NELAP	0.7	1.0		**59.3**	µg/L	5	02/22/2024 1:40	218847
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/22/2024 20:52	218847
Boron	NELAP	9.2	20.0		**980**	µg/L	5	03/04/2024 12:17	219115
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/22/2024 1:40	218847
Chromium	NELAP	0.7	1.5	J	**1.2**	µg/L	5	03/01/2024 18:42	219115
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	02/22/2024 20:52	218847
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	03/01/2024 18:42	219115
Lithium	*	1.4	3.0		**9.1**	µg/L	5	02/22/2024 20:52	218847
Molybdenum	NELAP	0.6	1.5		**2.8**	µg/L	5	02/22/2024 1:40	218847
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/22/2024 1:40	218847
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/22/2024 20:52	218847

Laboratory Results

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

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-002
Client Sample ID: G1001
Matrix: GROUNDWATER
Collection Date: 02/15/2024 13:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.08	0.20		**< 0.20**	µg/L	1	02/19/2024 15:13	218860

Laboratory Results

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

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-003
Client Sample ID: G1003
Matrix: GROUNDWATER
Collection Date:

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**Dry**	ft	1	02/21/2024 14:02	R343520

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-042 **Client Sample ID:** G270

Matrix: GROUNDWATER **Collection Date:** 02/19/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**2.86**	ft	1	02/19/2024 11:56	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**24**	NTU	1	02/19/2024 11:56	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**147**	mV	1	02/19/2024 11:56	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**733**	µS/cm	1	02/19/2024 11:56	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**10.6**	°C	1	02/19/2024 11:56	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.98**	mg/L	1	02/19/2024 11:56	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		**7.15**		1	02/19/2024 11:56	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**326**	mg/L	1	02/20/2024 13:44	R343313
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/20/2024 13:44	R343313
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**412**	mg/L	1	02/20/2024 13:32	R343377
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**53**	mg/L	2	02/20/2024 19:41	R343322
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	02/20/2024 12:22	R343311
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**12**	mg/L	1	02/20/2024 19:35	R343325
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**58.9**	mg/L	1	02/21/2024 9:42	218955
Magnesium	NELAP	0.006	0.050		**25.0**	mg/L	1	02/21/2024 9:42	218955
Potassium	NELAP	0.040	0.100		**1.09**	mg/L	1	02/21/2024 9:42	218955
Sodium	NELAP	0.018	0.050		**75.6**	mg/L	1	02/21/2024 9:42	218955
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.7	1.0		**< 1.0**	µg/L	5	02/23/2024 19:49	218955
Arsenic	NELAP	0.4	1.0		**1.5**	µg/L	5	02/23/2024 19:49	218955
Barium	NELAP	0.7	1.0		**63.1**	µg/L	5	02/23/2024 19:49	218955
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/23/2024 19:49	218955
Boron	NELAP	9.2	20	J	**10**	µg/L	5	02/23/2024 19:49	218955
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/23/2024 19:49	218955
Chromium	NELAP	0.9	1.5		**4.8**	µg/L	5	02/23/2024 19:49	218955
Cobalt	NELAP	0.1	1.0		**1.4**	µg/L	5	02/23/2024 19:49	218955
Lead	NELAP	0.6	1.0		**2.0**	µg/L	5	02/23/2024 19:49	218955
Lithium	*	1.4	3.0		**4.8**	µg/L	5	02/23/2024 19:49	218955
Molybdenum	NELAP	0.6	1.5	J	**0.9**	µg/L	5	02/26/2024 15:22	218955
Selenium	NELAP	0.6	1.0	J	**0.7**	µg/L	5	02/26/2024 15:22	218955
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/23/2024 19:49	218955

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

Laboratory Results

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

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-042
Client Sample ID: G270
Matrix: GROUNDWATER
Collection Date: 02/19/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	02/21/2024 15:47	218967

Laboratory Results

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

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-053 **Client Sample ID:** G280

Matrix: GROUNDWATER **Collection Date:** 02/20/2024 11:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.40**	ft	1	02/20/2024 11:10	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**27**	NTU	1	02/20/2024 11:10	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**136**	mV	1	02/20/2024 11:10	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**883**	µS/cm	1	02/20/2024 11:10	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.2**	°C	1	02/20/2024 11:10	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.51**	mg/L	1	02/20/2024 11:10	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		**7.36**		1	02/20/2024 11:10	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**270**	mg/L	1	02/22/2024 12:28	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/22/2024 12:28	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**530**	mg/L	2.5	02/26/2024 11:47	R343638
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**101**	mg/L	5	02/21/2024 15:18	R343392
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.29**	mg/L	1	02/23/2024 11:45	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**72**	mg/L	5	02/21/2024 15:18	R343402
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**80.4**	mg/L	1	02/22/2024 18:10	219022
Magnesium	NELAP	0.006	0.050		**38.3**	mg/L	1	02/22/2024 18:10	219022
Potassium	NELAP	0.040	0.100		**0.828**	mg/L	1	02/22/2024 18:10	219022
Sodium	NELAP	0.018	0.050		**52.6**	mg/L	1	02/22/2024 18:10	219022
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	B	**< 1.0**	µg/L	5	02/27/2024 19:54	219022
Arsenic	NELAP	0.4	1.0	J	**0.9**	µg/L	5	02/24/2024 0:05	219022
Barium	NELAP	0.7	1.0		**64.1**	µg/L	5	02/24/2024 0:05	219022
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 0:05	219022
Boron	NELAP	9.2	20	J	**19**	µg/L	5	02/27/2024 19:54	219022
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 0:05	219022
Chromium	NELAP	0.8	1.5		**3.0**	µg/L	5	02/24/2024 0:05	219022
Cobalt	NELAP	0.1	1.0	J	**0.6**	µg/L	5	02/24/2024 0:05	219022
Lead	NELAP	0.6	1.0		**1.1**	µg/L	5	02/24/2024 0:05	219022
Lithium	*	1.4	3.0		**5.0**	µg/L	5	02/24/2024 0:05	219022
Molybdenum	NELAP	0.6	1.5	J	**1.2**	µg/L	5	02/27/2024 19:54	219022
Selenium	NELAP	0.6	1.0	J	**0.7**	µg/L	5	02/27/2024 19:54	219022
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/24/2024 0:05	219022

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

Laboratory Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-053
Client Sample ID: G280
Matrix: GROUNDWATER
Collection Date: 02/20/2024 11:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	02/29/2024 18:31	219289

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-054 **Client Sample ID:** G281

Matrix: GROUNDWATER **Collection Date:** 02/15/2024 14:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.91**	ft	1	02/15/2024 14:22	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**31**	NTU	1	02/15/2024 14:22	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**156**	mV	1	02/15/2024 14:22	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1370**	µS/cm	1	02/15/2024 14:22	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.8**	°C	1	02/15/2024 14:22	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.53**	mg/L	1	02/15/2024 14:22	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		**6.92**		1	02/15/2024 14:22	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**381**	mg/L	1	02/19/2024 10:38	R343247
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/19/2024 10:38	R343247
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**850**	mg/L	2.5	02/17/2024 12:13	R343246
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**289**	mg/L	10	02/19/2024 17:44	R343255
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.27**	mg/L	1	02/16/2024 15:11	R343192
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**75**	mg/L	2	02/19/2024 17:39	R343256
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**151**	mg/L	1	02/19/2024 15:58	218847
Magnesium	NELAP	0.006	0.050		**66.2**	mg/L	1	02/19/2024 15:58	218847
Potassium	NELAP	0.040	0.100		**0.947**	mg/L	1	02/19/2024 15:58	218847
Sodium	NELAP	0.022	0.050		**100**	mg/L	1	02/19/2024 15:58	218847
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/22/2024 2:44	218847
Arsenic	NELAP	0.4	1.0	J	**0.8**	µg/L	5	02/22/2024 2:44	218847
Barium	NELAP	0.7	1.0		**78.5**	µg/L	5	02/22/2024 2:44	218847
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/22/2024 22:12	218847
Boron	NELAP	9.2	20	J	**9.7**	µg/L	5	03/04/2024 13:32	219115
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/22/2024 2:44	218847
Chromium	NELAP	0.7	1.5		**3.1**	µg/L	5	03/01/2024 19:05	219115
Cobalt	NELAP	0.1	1.0	J	**0.8**	µg/L	5	02/22/2024 22:12	218847
Lead	NELAP	0.6	1.0		**1.2**	µg/L	5	03/01/2024 19:05	219115
Lithium	*	1.4	3.0		**6.0**	µg/L	5	02/22/2024 22:12	218847
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	02/22/2024 2:44	218847
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/22/2024 2:44	218847
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/22/2024 22:12	218847

Laboratory Results

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

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-054
Client Sample ID: G281
Matrix: GROUNDWATER
Collection Date: 02/15/2024 14:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.08	0.20		**< 0.20**	µg/L	1	02/19/2024 18:21	218860

Laboratory Results

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

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-073 **Client Sample ID:** G401

Matrix: GROUNDWATER **Collection Date:** 02/21/2024 12:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**21.96**	ft	1	02/21/2024 12:46	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**10**	NTU	1	02/21/2024 12:46	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**177**	mV	1	02/21/2024 12:46	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2990**	µS/cm	1	02/21/2024 12:46	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.8**	°C	1	02/21/2024 12:46	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.38**	mg/L	1	02/21/2024 12:46	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		**5.68**		1	02/21/2024 12:46	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**95**	mg/L	1	02/22/2024 17:21	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/22/2024 17:21	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**2890**	mg/L	2.5	02/26/2024 12:19	R343638
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**2130**	mg/L	50	02/22/2024 17:06	R343452
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.18**	mg/L	1	02/23/2024 11:52	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**4**	mg/L	1	02/22/2024 17:01	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**535**	mg/L	1	02/22/2024 18:24	219022
Magnesium	NELAP	0.006	0.050		**131**	mg/L	1	02/22/2024 18:24	219022
Potassium	NELAP	0.040	0.100		**3.01**	mg/L	1	02/22/2024 18:24	219022
Sodium	NELAP	0.018	0.050		**54.3**	mg/L	1	02/22/2024 18:24	219022
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	B	**< 1.0**	µg/L	5	02/27/2024 21:00	219022
Arsenic	NELAP	0.4	1.0		**1.1**	µg/L	5	02/24/2024 0:30	219022
Barium	NELAP	0.7	1.0		**9.6**	µg/L	5	02/24/2024 0:30	219022
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 0:30	219022
Boron	NELAP	9.2	20.0		**4170**	µg/L	5	02/27/2024 21:00	219022
Cadmium	NELAP	0.2	1.0	J	**0.3**	µg/L	5	02/24/2024 0:30	219022
Chromium	NELAP	0.8	1.5		**< 1.5**	µg/L	5	02/24/2024 0:30	219022
Cobalt	NELAP	0.1	1.0		**159**	µg/L	5	02/24/2024 0:30	219022
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/24/2024 0:30	219022
Lithium	*	1.4	3.0		**24.9**	µg/L	5	02/24/2024 0:30	219022
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	02/27/2024 21:00	219022
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/27/2024 21:00	219022
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/24/2024 0:30	219022

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

Laboratory Results

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

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-073
Client Sample ID: G401
Matrix: GROUNDWATER
Collection Date: 02/21/2024 12:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	02/23/2024 16:18	219103

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-074 **Client Sample ID:** G402

Matrix: GROUNDWATER **Collection Date:** 02/21/2024 13:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.81**	ft	1	02/21/2024 13:44	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**29**	NTU	1	02/21/2024 13:44	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**147**	mV	1	02/21/2024 13:44	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1710**	µS/cm	1	02/21/2024 13:44	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.9**	°C	1	02/21/2024 13:44	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**4.12**	mg/L	1	02/21/2024 13:44	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		**6.75**		1	02/21/2024 13:44	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**505**	mg/L	1	02/22/2024 16:01	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/22/2024 16:01	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1260**	mg/L	2.5	02/26/2024 12:19	R343638
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**607**	mg/L	20	02/22/2024 17:15	R343452
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.28**	mg/L	1	02/23/2024 11:54	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**3**	mg/L	1	02/22/2024 17:09	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**205**	mg/L	1	02/22/2024 18:26	219022
Magnesium	NELAP	0.006	0.050		**129**	mg/L	1	02/22/2024 18:26	219022
Potassium	NELAP	0.040	0.100		**1.08**	mg/L	1	02/22/2024 18:26	219022
Sodium	NELAP	0.018	0.050		**38.6**	mg/L	1	02/22/2024 18:26	219022
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	B	**< 1.0**	µg/L	5	02/27/2024 21:06	219022
Arsenic	NELAP	0.4	1.0		**3.5**	µg/L	5	02/24/2024 0:36	219022
Barium	NELAP	0.7	1.0		**28.5**	µg/L	5	02/24/2024 0:36	219022
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 0:36	219022
Boron	NELAP	9.2	20.0		**4950**	µg/L	5	02/27/2024 21:06	219022
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 0:36	219022
Chromium	NELAP	0.8	1.5		**3.4**	µg/L	5	02/24/2024 0:36	219022
Cobalt	NELAP	0.1	1.0		**3.2**	µg/L	5	02/24/2024 0:36	219022
Lead	NELAP	0.6	1.0		**1.5**	µg/L	5	02/24/2024 0:36	219022
Lithium	*	1.4	3.0		**21.8**	µg/L	5	02/24/2024 0:36	219022
Molybdenum	NELAP	0.6	1.5		**1.7**	µg/L	5	02/27/2024 21:06	219022
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/27/2024 21:06	219022
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/24/2024 0:36	219022

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

Laboratory Results

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

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-074
Client Sample ID: G402
Matrix: GROUNDWATER
Collection Date: 02/21/2024 13:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	02/23/2024 16:21	219103

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-075 **Client Sample ID:** G403

Matrix: GROUNDWATER **Collection Date:** 02/21/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.41**	ft	1	02/21/2024 11:43	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.5**	NTU	1	02/21/2024 11:43	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**146**	mV	1	02/21/2024 11:43	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**738**	µS/cm	1	02/21/2024 11:43	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.3**	°C	1	02/21/2024 11:43	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.57**	mg/L	1	02/21/2024 11:43	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		**6.88**		1	02/21/2024 11:43	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**323**	mg/L	1	02/22/2024 16:07	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/22/2024 16:07	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**380**	mg/L	2.5	02/28/2024 10:00	R343743
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**83**	mg/L	5	02/23/2024 11:22	R343641
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.32**	mg/L	1	02/23/2024 12:04	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**7**	mg/L	1	02/22/2024 17:20	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**79.2**	mg/L	1	02/22/2024 18:28	219022
Magnesium	NELAP	0.006	0.050		**36.2**	mg/L	1	02/22/2024 18:28	219022
Potassium	NELAP	0.040	0.100		**0.553**	mg/L	1	02/22/2024 18:28	219022
Sodium	NELAP	0.018	0.050		**26.6**	mg/L	1	02/22/2024 18:28	219022
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	B	**< 1.0**	µg/L	5	02/27/2024 21:12	219022
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	02/24/2024 0:42	219022
Barium	NELAP	0.7	1.0		**113**	µg/L	5	02/24/2024 0:42	219022
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 0:42	219022
Boron	NELAP	9.2	20.0		**42.6**	µg/L	5	02/27/2024 21:12	219022
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 0:42	219022
Chromium	NELAP	0.8	1.5	J	**1.4**	µg/L	5	02/24/2024 0:42	219022
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	02/24/2024 0:42	219022
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/24/2024 0:42	219022
Lithium	*	1.4	3.0	J	**2.4**	µg/L	5	02/24/2024 0:42	219022
Molybdenum	NELAP	0.6	1.5	J	**0.6**	µg/L	5	02/27/2024 21:12	219022
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/27/2024 21:12	219022
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/24/2024 0:42	219022

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

Laboratory Results

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

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-075
Client Sample ID: G403
Matrix: GROUNDWATER
Collection Date: 02/21/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	02/29/2024 17:27	219164

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-076 **Client Sample ID:** G404

Matrix: GROUNDWATER **Collection Date:** 02/21/2024 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.30**	ft	1	02/21/2024 10:37	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**5.1**	NTU	1	02/21/2024 10:37	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**151**	mV	1	02/21/2024 10:37	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1260**	µS/cm	1	02/21/2024 10:37	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**11.2**	°C	1	02/21/2024 10:37	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.13**	mg/L	1	02/21/2024 10:37	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		**6.84**		1	02/21/2024 10:37	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**239**	mg/L	1	02/22/2024 16:12	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/22/2024 16:12	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**812**	mg/L	1	02/26/2024 12:19	R343638
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**287**	mg/L	20	02/22/2024 17:59	R343452
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.20**	mg/L	1	02/23/2024 12:06	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**72**	mg/L	2	02/22/2024 17:55	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**121**	mg/L	1	02/22/2024 18:29	219022
Magnesium	NELAP	0.006	0.050		**50.2**	mg/L	1	02/22/2024 18:29	219022
Potassium	NELAP	0.040	0.100		**0.369**	mg/L	1	02/22/2024 18:29	219022
Sodium	NELAP	0.018	0.050		**41.2**	mg/L	1	02/22/2024 18:29	219022
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	B	**< 1.0**	µg/L	5	02/27/2024 21:18	219022
Arsenic	NELAP	0.4	1.0	J	**0.4**	µg/L	5	02/24/2024 0:48	219022
Barium	NELAP	0.7	1.0		**48.0**	µg/L	5	02/24/2024 0:48	219022
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 0:48	219022
Boron	NELAP	9.2	20.0		**3650**	µg/L	5	02/27/2024 21:18	219022
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 0:48	219022
Chromium	NELAP	0.8	1.5	J	**0.9**	µg/L	5	02/24/2024 0:48	219022
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	02/24/2024 0:48	219022
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/24/2024 0:48	219022
Lithium	*	1.4	3.0		**3.2**	µg/L	5	02/24/2024 0:48	219022
Molybdenum	NELAP	0.6	1.5	J	**0.8**	µg/L	5	02/27/2024 21:18	219022
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/27/2024 21:18	219022
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/24/2024 0:48	219022

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

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-076 **Client Sample ID:** G404

Matrix: GROUNDWATER **Collection Date:** 02/21/2024 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	02/29/2024 17:30	219164

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-077 **Client Sample ID:** G405

Matrix: GROUNDWATER **Collection Date:** 02/21/2024 11:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.30**	ft	1	02/21/2024 11:09	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.9**	NTU	1	02/21/2024 11:09	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**153**	mV	1	02/21/2024 11:09	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2030**	µS/cm	1	02/21/2024 11:09	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**12.5**	°C	1	02/21/2024 11:09	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.81**	mg/L	1	02/21/2024 11:09	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		**6.85**		1	02/21/2024 11:09	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**287**	mg/L	1	02/22/2024 16:17	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/22/2024 16:17	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1750**	mg/L	1	02/26/2024 12:36	R343638
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**1000**	mg/L	50	02/22/2024 18:08	R343452
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.37**	mg/L	1	02/23/2024 12:08	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**18**	mg/L	1	02/22/2024 18:03	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**232**	mg/L	1	02/22/2024 18:31	219022
Magnesium	NELAP	0.006	0.050		**103**	mg/L	1	02/22/2024 18:31	219022
Potassium	NELAP	0.040	0.100		**0.499**	mg/L	1	02/22/2024 18:31	219022
Sodium	NELAP	0.018	0.050		**88.3**	mg/L	1	02/22/2024 18:31	219022
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**1.0**	µg/L	5	02/28/2024 12:50	219022
Arsenic	NELAP	0.4	1.0		**1.1**	µg/L	5	02/24/2024 0:54	219022
Barium	NELAP	0.7	1.0		**18.1**	µg/L	5	02/24/2024 0:54	219022
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 0:54	219022
Boron	NELAP	9.2	20.0		**8690**	µg/L	5	03/04/2024 12:12	219022
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 0:54	219022
Chromium	NELAP	0.8	1.5	J	**1.0**	µg/L	5	02/24/2024 0:54	219022
Cobalt	NELAP	0.1	1.0		**1.2**	µg/L	5	02/24/2024 0:54	219022
Lead	NELAP	0.6	1.0		**1.0**	µg/L	5	02/24/2024 0:54	219022
Lithium	*	1.4	3.0	J	**2.5**	µg/L	5	02/24/2024 0:54	219022
Molybdenum	NELAP	0.6	1.5	J	**1.4**	µg/L	5	02/27/2024 22:24	219022
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/27/2024 22:24	219022
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/24/2024 0:54	219022

Laboratory Results

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

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-077
Client Sample ID: G405
Matrix: GROUNDWATER
Collection Date: 02/21/2024 11:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	02/29/2024 17:33	219164

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-078 **Client Sample ID:** G406

Matrix: GROUNDWATER **Collection Date:** 02/21/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.13**	ft	1	02/21/2024 12:11	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**< 1.0**	NTU	1	02/21/2024 12:11	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**158**	mV	1	02/21/2024 12:11	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1420**	µS/cm	1	02/21/2024 12:11	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.2**	°C	1	02/21/2024 12:11	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.87**	mg/L	1	02/21/2024 12:11	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		**6.58**		1	02/21/2024 12:11	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**357**	mg/L	1	02/22/2024 16:23	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/22/2024 16:23	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1080**	mg/L	1	02/26/2024 12:36	R343638
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**496**	mg/L	20	02/22/2024 18:16	R343452
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.33**	mg/L	1	02/23/2024 12:10	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**4**	mg/L	1	02/22/2024 18:11	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**192**	mg/L	1	02/22/2024 18:32	219022
Magnesium	NELAP	0.006	0.050		**76.6**	mg/L	1	02/22/2024 18:32	219022
Potassium	NELAP	0.040	0.100		**0.219**	mg/L	1	02/22/2024 18:32	219022
Sodium	NELAP	0.018	0.050		**35.8**	mg/L	1	02/22/2024 18:32	219022
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/28/2024 12:57	219022
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/24/2024 1:26	219022
Barium	NELAP	0.7	1.0		**12.4**	µg/L	5	02/24/2024 1:26	219022
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 1:26	219022
Boron	NELAP	9.2	20.0		**1660**	µg/L	5	03/01/2024 15:04	219022
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 1:26	219022
Chromium	NELAP	0.8	1.5		**< 1.5**	µg/L	5	02/24/2024 1:26	219022
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	02/24/2024 1:26	219022
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/24/2024 1:26	219022
Lithium	*	1.4	3.0		**7.5**	µg/L	5	02/24/2024 1:26	219022
Molybdenum	NELAP	0.6	1.5	J	**0.7**	µg/L	5	02/27/2024 22:30	219022
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/27/2024 22:30	219022
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/24/2024 1:26	219022

Laboratory Results

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

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-078
Client Sample ID: G406
Matrix: GROUNDWATER
Collection Date: 02/21/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	02/29/2024 17:40	219164

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-079 **Client Sample ID:** G407

Matrix: GROUNDWATER **Collection Date:** 02/20/2024 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.10**	ft	1	02/20/2024 10:15	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.8**	NTU	1	02/20/2024 10:15	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**141**	mV	1	02/20/2024 10:15	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1850**	µS/cm	1	02/20/2024 10:15	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.0**	°C	1	02/20/2024 10:15	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**3.48**	mg/L	1	02/20/2024 10:15	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		**6.78**		1	02/20/2024 10:15	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**512**	mg/L	1	02/22/2024 14:16	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/22/2024 14:16	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1900**	mg/L	1	02/22/2024 8:46	R343489
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**1130**	mg/L	50	02/21/2024 15:58	R343392
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.28**	mg/L	1	02/23/2024 12:12	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**12**	mg/L	1	02/21/2024 15:52	R343402
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**285**	mg/L	1	02/22/2024 18:42	219022
Magnesium	NELAP	0.006	0.050	S	**189**	mg/L	1	02/22/2024 18:42	219022
Potassium	NELAP	0.040	0.100		**3.08**	mg/L	1	02/22/2024 18:42	219022
Sodium	NELAP	0.018	0.050	S	**83.0**	mg/L	1	02/22/2024 18:42	219022
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	B	**< 1.0**	µg/L	5	02/27/2024 21:24	219022
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/24/2024 1:57	219022
Barium	NELAP	0.7	1.0		**11.8**	µg/L	5	02/24/2024 1:57	219022
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 1:57	219022
Boron	NELAP	9.2	20.0		**94.9**	µg/L	5	02/27/2024 21:24	219022
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/24/2024 1:57	219022
Chromium	NELAP	0.8	1.5		**1.8**	µg/L	5	02/24/2024 1:57	219022
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	02/24/2024 1:57	219022
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/24/2024 1:57	219022
Lithium	*	1.4	3.0		**36.0**	µg/L	5	02/24/2024 1:57	219022
Molybdenum	NELAP	0.6	1.5	J	**1.4**	µg/L	5	02/27/2024 21:24	219022
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/27/2024 21:24	219022
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/24/2024 1:57	219022
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									

Laboratory Results

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

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-079
Client Sample ID: G407
Matrix: GROUNDWATER
Collection Date: 02/20/2024 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	02/22/2024 15:32	218203

Laboratory Results

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

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24
Lab ID: 24020001-089
Client Sample ID: SG-02
Matrix: GROUNDWATER
Collection Date: 02/12/2024 15:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.22**	ft	1	02/12/2024 15:01	R343520

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-090 **Client Sample ID:** SG-03

Matrix: GROUNDWATER **Collection Date:** 02/12/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.44**	ft	1	02/12/2024 11:43	R343520

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-097 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 02/21/2024 15:03

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		**1**	mg/L	1	02/22/2024 15:49	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/22/2024 15:49	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	J	**18**	mg/L	1	02/26/2024 12:37	R343638
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	02/22/2024 18:40	R343452
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	02/23/2024 12:34	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	02/22/2024 18:40	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**< 0.100**	mg/L	1	02/23/2024 18:51	219043
Magnesium	NELAP	0.006	0.050	J	**0.015**	mg/L	1	02/23/2024 18:51	219043
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	02/23/2024 18:51	219043
Sodium	NELAP	0.018	0.050	J	**0.029**	mg/L	1	02/23/2024 18:51	219043
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.7**	µg/L	5	02/23/2024 23:48	219043
Arsenic	NELAP	0.4	1.0		**1.1**	µg/L	5	02/23/2024 23:48	219043
Barium	NELAP	0.7	1.0		**2.5**	µg/L	5	02/23/2024 23:48	219043
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/23/2024 23:48	219043
Boron	NELAP	9.2	20	J	**15**	µg/L	5	02/23/2024 23:48	219043
Cadmium	NELAP	0.2	1.0	J	**0.5**	µg/L	5	02/23/2024 23:48	219043
Chromium	NELAP	1.2	1.5		**1.9**	µg/L	5	02/23/2024 23:48	219043
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	02/23/2024 23:48	219043
Lead	NELAP	0.6	1.0	B	**< 1.0**	µg/L	5	03/01/2024 13:43	219241
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	02/23/2024 23:48	219043
Molybdenum	NELAP	0.6	1.5	J	**0.9**	µg/L	5	02/23/2024 23:48	219043
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/23/2024 23:48	219043
Thallium	NELAP	1.0	2.0	J	**1.2**	µg/L	5	02/26/2024 18:59	219043

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

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

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

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	02/29/2024 17:58	219164

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

Lab ID: 24020001-103 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 02/21/2024 14:58

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		**0**	mg/L	1	02/23/2024 11:26	R343508
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	02/23/2024 11:26	R343508
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**22**	mg/L	1	02/23/2024 12:35	R343558
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	02/23/2024 12:42	R343641
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	02/23/2024 13:47	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	02/23/2024 12:42	R343643
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**0.148**	mg/L	1	02/27/2024 12:25	219088
Magnesium	NELAP	0.006	0.050	J	**0.036**	mg/L	1	02/27/2024 12:25	219088
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	02/27/2024 12:25	219088
Sodium	NELAP	0.018	0.050	J	**0.038**	mg/L	1	02/27/2024 12:25	219088
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	02/23/2024 22:39	219088
Arsenic	NELAP	0.4	1.0	J	**0.8**	µg/L	5	02/23/2024 22:39	219088
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	02/23/2024 22:39	219088
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/23/2024 22:39	219088
Boron	NELAP	9.2	20.0		**126**	µg/L	5	02/23/2024 22:39	219088
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	02/23/2024 22:39	219088
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	02/23/2024 22:39	219088
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	02/23/2024 22:39	219088
Lead	NELAP	0.6	1.0		**6.7**	µg/L	5	02/23/2024 22:39	219088
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	02/23/2024 22:39	219088
Molybdenum	NELAP	0.6	1.5	J	**0.9**	µg/L	5	02/23/2024 22:39	219088
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	02/23/2024 22:39	219088
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	02/26/2024 17:27	219088

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	03/05/2024 11:50	219476

Sample Summary

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24020001-001	AP2D	Groundwater	2	02/21/2024 14:54
24020001-002	G1001	Groundwater	2	02/15/2024 13:23
24020001-003	G1003	Groundwater	3	
24020001-042	G270	Groundwater	6	02/19/2024 11:56
24020001-053	G280	Groundwater	6	02/20/2024 11:10
24020001-054	G281	Groundwater	4	02/15/2024 14:22
24020001-073	G401	Groundwater	4	02/21/2024 12:46
24020001-074	G402	Groundwater	4	02/21/2024 13:44
24020001-075	G403	Groundwater	4	02/21/2024 11:43
24020001-076	G404	Groundwater	4	02/21/2024 10:37
24020001-077	G405	Groundwater	4	02/21/2024 11:09
24020001-078	G406	Groundwater	4	02/21/2024 12:11
24020001-079	G407	Groundwater	4	02/20/2024 10:15
24020001-089	SG-02	Groundwater	1	02/12/2024 15:01
24020001-090	SG-03	Groundwater	1	02/12/2024 11:43
24020001-097	Field Blank	Aqueous	8	02/21/2024 15:03
24020001-103	Equipment Blank 1	Aqueous	11	02/21/2024 14:58

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

STANDARD METHODS 2510 B FIELD

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.2	90	110	02/13/2024

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	02/14/2024

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-11

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	02/15/2024

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-12

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	02/16/2024

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-13

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	02/19/2024

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-14

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.7	90	110	02/20/2024

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	02/14/2024

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	02/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

STANDARD METHODS 2510 B FIELD

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.2	90	110	02/16/2024

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.2	90	110	02/19/2024

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	02/20/2024

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-7

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.2	90	110	02/21/2024

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-8

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.5	90	110	02/22/2024

Batch R343520 **SampType:** LCS Units **µS/cm**
SampID: LCS-R343520-9

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	02/13/2024

SW-846 9040B FIELD

Batch R343520 **SampType:** LCS Units
SampID: LCS-R343520-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	02/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9040B FIELD

Batch R343520 **SampType:** LCS Units

SampID: LCS-R343520-10

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	02/14/2024

Batch R343520 **SampType:** LCS Units

SampID: LCS-R343520-11

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	02/15/2024

Batch R343520 **SampType:** LCS Units

SampID: LCS-R343520-12

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	02/16/2024

Batch R343520 **SampType:** LCS Units

SampID: LCS-R343520-13

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	02/19/2024

Batch R343520 **SampType:** LCS Units

SampID: LCS-R343520-14

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.08**	7.000	0	101.1	98.57	101.4	02/20/2024

Batch R343520 **SampType:** LCS Units

SampID: LCS-R343520-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	02/14/2024

Batch R343520 **SampType:** LCS Units

SampID: LCS-R343520-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	02/15/2024

Batch R343520 **SampType:** LCS Units

SampID: LCS-R343520-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9040B FIELD

Batch R343520 **SampType:** LCS Units
SampID: LCS-R343520-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	02/19/2024

Batch R343520 **SampType:** LCS Units
SampID: LCS-R343520-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	02/20/2024

Batch R343520 **SampType:** LCS Units
SampID: LCS-R343520-7

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	02/21/2024

Batch R343520 **SampType:** LCS Units
SampID: LCS-R343520-8

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	02/22/2024

Batch R343520 **SampType:** LCS Units
SampID: LCS-R343520-9

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.08**	7.000	0	101.1	98.57	101.4	02/13/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343190 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/15/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/15/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/15/2024

Batch R343190 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**958**	1000	0	95.8	90	110	02/15/2024
Total Dissolved Solids		20		**916**	1000	0	91.6	90	110	02/15/2024
Total Dissolved Solids		20		**956**	1000	0	95.6	90	110	02/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343190 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24020001-098ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**528**				548.0	3.72	02/15/2024

Batch R343190 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021083-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**470**				495.0	5.18	02/15/2024

Batch R343201 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/16/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/16/2024

Batch R343201 **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		**926**	1000	0	92.6	90	110	02/16/2024
Total Dissolved Solids		20		**914**	1000	0	91.4	90	110	02/16/2024

Batch R343201 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021085-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**605**				590.0	2.51	02/16/2024

Batch R343201 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021141-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50	H	**675**				735.0	8.51	02/16/2024

Batch R343246 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343246 **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		**946**	1000	0	94.6	90	110	02/17/2024

Batch R343246 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24020001-026ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**568**				546.0	3.95	02/17/2024

Batch R343312 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/19/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/19/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/19/2024

Batch R343312 **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		**916**	1000	0	91.6	90	110	02/19/2024
Total Dissolved Solids		20		**902**	1000	0	90.2	90	110	02/19/2024
Total Dissolved Solids		20		**932**	1000	0	93.2	90	110	02/19/2024

Batch R343312 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021230-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**380**				350.0	8.22	02/19/2024

Batch R343312 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021289-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**2120**				2070	2.15	02/19/2024

Batch R343312 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021298-009BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**605**				550.0	9.52	02/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343377 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/20/2024

Batch R343377 **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		**940**	1000	0	94.0	90	110	02/20/2024

Batch R343377 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24020001-025ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**432**				428.0	0.93	02/20/2024

Batch R343433 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/21/2024

Batch R343433 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**936**	1000	0	93.6	90	110	02/21/2024

Batch R343433 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021289-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**1970**				1995	1.26	02/21/2024

Batch R343489 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/22/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/22/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/22/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343489 **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		**928**	1000	0	92.8	90	110	02/22/2024
Total Dissolved Solids		20	S	**864**	1000	0	86.4	90	110	02/22/2024
Total Dissolved Solids		20		**902**	1000	0	90.2	90	110	02/22/2024

Batch R343489 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24020001-102ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**535**				555.0	3.67	02/22/2024

Batch R343489 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021616-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**90**				82.00	9.30	02/22/2024

Batch R343558 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/23/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/23/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/23/2024

Batch R343558 **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		**926**	1000	0	92.6	90	110	02/23/2024
Total Dissolved Solids		20		**928**	1000	0	92.8	90	110	02/23/2024
Total Dissolved Solids		20		**960**	1000	0	96.0	90	110	02/23/2024

Batch R343558 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24010117-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**350**				380.0	8.22	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343558 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021724-019ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**950**				960.0	1.05	02/23/2024

Batch R343558 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021740-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50	H	**1170**				1275	8.59	02/23/2024

Batch R343638 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/26/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/26/2024
Total Dissolved Solids		20	S	**32**	16.00	0	200.0	-100	100	02/26/2024

Batch R343638 **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	B	**930**	1000	0	93.0	90	110	02/26/2024
Total Dissolved Solids		20		**902**	1000	0	90.2	90	110	02/26/2024
Total Dissolved Solids		20		**910**	1000	0	91.0	90	110	02/26/2024

Batch R343638 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24020001-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**1740**				1700	2.33	02/26/2024

Batch R343638 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021724-006ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1090**				1102	0.91	02/26/2024

Batch R343666 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/27/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343666 **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		**926**	1000	0	92.6	90	110	02/27/2024

Batch R343666 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021397-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**410**				430.0	4.76	02/27/2024

Batch R343743 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/28/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	02/28/2024

Batch R343743 **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		**902**	1000	0	90.2	90	110	02/28/2024
Total Dissolved Solids		20		**900**	1000	0	90.0	90	110	02/28/2024

Batch R343743 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24020001-075ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**400**				380.0	5.13	02/28/2024

Batch R343743 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24010117-008ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		100		**350**				330.0	5.88	02/28/2024

Batch R343743 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021482-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**1410**				1345	4.72	02/28/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343743 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24021484-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**450**				420.0	6.90	02/28/2024

Batch R344178 **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	03/08/2024

Batch R344178 **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	03/08/2024

Batch R344178 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24020001-047ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**1050**				1008	4.46	03/08/2024

Batch R344178 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24030421-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**490**				460.0	6.32	03/08/2024

Batch R344178 **SampType:** DUP Units **mg/L** RPD Limit: **10**
SampID: 24030547-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**3490**				3655	4.62	03/08/2024

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

Batch R343163 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	02/16/2024

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Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
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Batch R343163 **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	100.0	90	110	02/16/2024

Batch R343163 **SampType:** MS Units **mg/L**
SampID: 24020001-008GMS

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	0.05000	91.8	90	110	02/16/2024

Batch R343163 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-008GMSD

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	0.05000	90.8	1.887	1.17	02/16/2024

Batch R343163 **SampType:** MS Units **mg/L**
SampID: 24020763-003IMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**5.61**	4.000	2.136	86.9	90	110	02/16/2024

Batch R343163 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020763-003IMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**5.65**	4.000	2.136	87.8	5.613	0.64	02/16/2024

Batch R343163 **SampType:** MS Units **mg/L**
SampID: 24020894-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**5.56**	4.000	1.781	94.6	90	110	02/16/2024

Batch R343163 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020894-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**5.48**	4.000	1.781	92.4	5.564	1.61	02/16/2024

Batch R343163 **SampType:** MS Units **mg/L**
SampID: 24021018-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.94**	2.000	0.03000	95.6	90	110	02/16/2024

Teklab, Inc.
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Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

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Batch R343163 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021018-007BMSD

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	0.03000	93.5	1.941	2.13	02/16/2024

Batch R343163 **SampType:** MS Units **mg/L**
SampID: 24021046-001AMS

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	94.7	90	110	02/16/2024

Batch R343163 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021046-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.93**	2.000	0	96.4	1.894	1.73	02/16/2024

Batch R343163 **SampType:** MS Units **mg/L**
SampID: 24021172-001JMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00	E	**52.8**	20.00	34.60	90.8	90	110	02/16/2024

Batch R343163 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021172-001JMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00	E	**53.4**	20.00	34.60	94.2	52.75	1.28	02/16/2024

Batch R343258 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	02/19/2024

Batch R343258 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**0.99**	1.000	0	99.4	90	110	02/19/2024

Batch R343258 **SampType:** MS Units **mg/L**
SampID: 24020001-016EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.84**	2.000	0	92.0	90	110	02/19/2024

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Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
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Batch R343258 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-016EMSD

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	92.4	1.841	0.33	02/19/2024

Batch R343258 **SampType:** MS Units **mg/L**
SampID: 24020001-020FMS

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	0.04400	90.2	90	110	02/19/2024

Batch R343258 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-020FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.76**	2.000	0.04400	85.7	1.847	4.94	02/19/2024

Batch R343258 **SampType:** MS Units **mg/L**
SampID: 24021086-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**28.5**	20.00	9.698	94.2	90	110	02/19/2024

Batch R343258 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021086-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**28.4**	20.00	9.698	93.3	28.55	0.64	02/19/2024

Batch R343258 **SampType:** MS Units **mg/L**
SampID: 24021292-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.61**	2.000	0.7460	93.0	90	110	02/19/2024

Batch R343258 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021292-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.62**	2.000	0.7460	93.6	2.606	0.46	02/19/2024

Batch R343258 **SampType:** MS Units **mg/L**
SampID: 24021354-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.95**	2.000	0	97.4	90	110	02/19/2024

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Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

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Batch R343258 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021354-002CMSD

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	96.6	1.948	0.88	02/19/2024

Batch R343391 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	02/21/2024

Batch R343391 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.02**	1.000	0	102.3	90	110	02/21/2024

Batch R343391 **SampType:** MS Units **mg/L**
SampID: 24021454-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.77**	2.000	0.8330	97.0	90	110	02/21/2024

Batch R343391 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021454-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.73**	2.000	0.8330	94.9	2.772	1.49	02/21/2024

Batch R343391 **SampType:** MS Units **mg/L**
SampID: 24021468-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.24**	2.000	0.3640	94.0	90	110	02/21/2024

Batch R343391 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021468-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.22**	2.000	0.3640	92.7	2.245	1.21	02/21/2024

Batch R343465 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	02/23/2024

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Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

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

Batch R343465 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**0.98**	1.000	0	98.2	90	110	02/23/2024

Batch R343465 **SampType:** MS Units **mg/L**
SampID: 24020901-002EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	E	**6.09**	2.000	4.210	94.1	90	110	02/23/2024

Batch R343465 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020901-002EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	E	**6.10**	2.000	4.210	94.6	6.092	0.16	02/23/2024

Batch R343465 **SampType:** MS Units **mg/L**
SampID: 24021442-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		5.00		**121**	100.0	26.29	94.6	90	110	02/23/2024

Batch R343465 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021442-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		5.00		**120**	100.0	26.29	94.0	120.9	0.47	02/23/2024

Batch R343465 **SampType:** MS Units **mg/L**
SampID: 24021459-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		2.00	S	**36.5**	40.00	9.752	67.0	90	110	02/23/2024

Batch R343465 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021459-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		2.00	S	**36.4**	40.00	9.752	66.7	36.55	0.33	02/23/2024

Batch R343465 **SampType:** MS Units **mg/L**
SampID: 24021516-007BMS

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	0.04100	93.9	90	110	02/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

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

Batch R343465 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021516-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.95**	2.000	0.04100	95.6	1.919	1.70	02/23/2024

Batch R343465 **SampType:** MS Units **mg/L**
SampID: 24021541-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.91**	2.000	0	95.4	90	110	02/23/2024

Batch R343465 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021541-001AMSD

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	94.1	1.907	1.32	02/23/2024

Batch R343465 **SampType:** MS Units **mg/L**
SampID: 24021551-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.84**	2.000	0	92.2	90	110	02/23/2024

Batch R343465 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021551-002BMSD

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	95.3	1.845	3.25	02/23/2024

Batch R343465 **SampType:** MS Units **mg/L**
SampID: 24021558-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.66**	2.000	0.7930	93.2	90	110	02/23/2024

Batch R343465 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021558-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.69**	2.000	0.7930	95.0	2.657	1.35	02/23/2024

Batch R343465 **SampType:** MS Units **mg/L**
SampID: 24021615-004EMS

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	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch R343465 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021615-004EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.89**	2.000	0	94.4	1.898	0.53	02/23/2024

Batch R343465 **SampType:** MS Units **mg/L**
SampID: 24021693-004DMS

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	02/23/2024

Batch R343465 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021693-004DMSD

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	95.4	1.898	0.58	02/23/2024

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

Batch R343137 **SampType:** MS Units **mg/L**
SampID: 24020001-005BMS

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	0.005000	96.8	85	115	02/15/2024

Batch R343137 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-005BMSD

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	0.005000	96.8	0.4890	0.00	02/15/2024

Batch R343137 **SampType:** MS Units **mg/L**
SampID: 24020001-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	93.8	85	115	02/15/2024

Batch R343137 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	93.8	0.4690	0.00	02/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

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

Batch R343198 **SampType:** MS Units **mg/L**
SampID: 24020001-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.4	85	115	02/16/2024

Batch R343198 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.8	0.4770	0.63	02/16/2024

Batch R343198 **SampType:** MS Units **mg/L**
SampID: 24020001-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.6	85	115	02/16/2024

Batch R343198 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	96.2	0.4780	0.63	02/16/2024

Batch R343316 **SampType:** MS Units **mg/L**
SampID: 24020001-025BMS

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	102.4	85	115	02/20/2024

Batch R343316 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-025BMSD

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	104.2	0.5120	1.74	02/20/2024

Batch R343380 **SampType:** MS Units **mg/L**
SampID: 24021571-001AMS

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	103.2	85	115	02/21/2024

Batch R343380 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021571-001AMSD

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	0.5160	2.35	02/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch R343446 **SampType:** MS Units **mg/L**
SampID: 24020901-002BMS

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	99.6	85	115	02/22/2024

Batch R343446 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020901-002BMSD

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	97.4	0.4980	2.23	02/22/2024

Batch R343446 **SampType:** MS Units **mg/L**
SampID: 24020901-004BMS

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	100.0	85	115	02/22/2024

Batch R343446 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020901-004BMSD

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	100.2	0.5000	0.20	02/22/2024

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

Batch R343137 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/15/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/15/2024

Batch R343137 **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	99.8	90	110	02/15/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	99.8	90	110	02/15/2024

Batch R343137 **SampType:** MS Units **mg/L**
SampID: 24021212-001AMS

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	02/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch R343137 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021212-001AMSD

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	100.2	0.5030	0.40	02/15/2024

Batch R343198 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/16/2024

Batch R343198 **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		**0.31**	0.3045	0	101.8	90	110	02/16/2024

Batch R343198 **SampType:** MS Units **mg/L**
SampID: 24021230-001AMS

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	97.2	85	115	02/16/2024

Batch R343198 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021230-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	96.8	0.4860	0.41	02/16/2024

Batch R343316 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/20/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/20/2024

Batch R343316 **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		**0.31**	0.3045	0	102.1	90	110	02/20/2024
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	102.1	90	110	02/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch R343316 **SampType:** MS Units **mg/L**
SampID: 24020001-042AMS

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	02/20/2024

Batch R343316 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-042AMSD

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	105.0	0.5140	2.12	02/20/2024

Batch R343316 **SampType:** MS Units **mg/L**
SampID: 24021461-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.66**	0.5000	0.1550	101.8	85	115	02/20/2024

Batch R343316 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021461-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.66**	0.5000	0.1550	100.8	0.6640	0.76	02/20/2024

Batch R343380 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/21/2024

Batch R343380 **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		**0.32**	0.3045	0	104.4	90	110	02/21/2024

Batch R343380 **SampType:** MS Units **mg/L**
SampID: 24021509-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.2	85	115	02/21/2024

Batch R343380 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021509-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.44**	0.5000	0	88.0	0.4710	6.81	02/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch R343380 **SampType:** MS Units **mg/L**
SampID: 24021534-001AMS

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	0.02300	97.6	85	115	02/21/2024

Batch R343380 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021534-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0.02300	97.0	0.5110	0.59	02/21/2024

Batch R343446 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	02/22/2024

Batch R343446 **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		**0.32**	0.3045	0	104.1	90	110	02/22/2024

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

Batch R343164 **SampType:** MS Units **mg/L**
SampID: 24020001-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.496**	0.2500	0.2630	93.2	85	115	02/15/2024

Batch R343164 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.486**	0.2500	0.2630	89.2	0.4960	2.04	02/15/2024

Batch R343269 **SampType:** MS Units **mg/L**
SampID: 24020001-017BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.481**	0.2500	0.2600	88.4	85	115	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch R343269 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-017BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.485**	0.2500	0.2600	90.0	0.4810	0.83	02/16/2024

Batch R343443 **SampType:** MS Units **mg/L**
SampID: 24020901-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.694**	0.2500	0.4430	100.4	90	110	02/22/2024

Batch R343443 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020901-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.696**	0.2500	0.4430	101.2	0.6940	0.29	02/22/2024

Batch R343443 **SampType:** MS Units **mg/L**
SampID: 24021571-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**8.27**	2.500	5.760	100.6	85	115	02/22/2024

Batch R343443 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021571-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**8.10**	2.500	5.760	93.4	8.274	2.17	02/22/2024

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Batch R343164 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						02/15/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	02/15/2024

Batch R343164 **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		**0.513**	0.5000	0	102.6	90	110	02/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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Batch R343164 **SampType:** MS Units **mg/L**
SampID: 24021019-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**11.4**	5.000	6.744	92.5	90	110	02/15/2024

Batch R343164 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021019-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**11.4**	5.000	6.744	93.1	11.37	0.26	02/15/2024

Batch R343164 **SampType:** MS Units **mg/L**
SampID: 24021083-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.214**	0.2500	0	85.6	85	115	02/15/2024

Batch R343164 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021083-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.215**	0.2500	0	86.0	0.2140	0.47	02/15/2024

Batch R343164 **SampType:** MS Units **mg/L**
SampID: 24021085-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.194**	0.2500	0	77.6	85	115	02/15/2024

Batch R343164 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021085-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.196**	0.2500	0	78.4	0.1940	1.03	02/15/2024

Batch R343164 **SampType:** MS Units **mg/L**
SampID: 24021127-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.220**	0.2500	0.01100	83.6	90	110	02/15/2024

Batch R343164 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021127-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.224**	0.2500	0.01100	85.2	0.2200	1.80	02/15/2024

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Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

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Batch R343164 **SampType:** MS Units **mg/L**
SampID: 24021127-009CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.221**	0.2500	0	88.4	90	110	02/15/2024

Batch R343164 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021127-009CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.228**	0.2500	0	91.2	0.2210	3.12	02/15/2024

Batch R343164 **SampType:** MS Units **mg/L**
SampID: 24021219-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.224**	0.2500	0.01200	84.8	85	115	02/15/2024

Batch R343164 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021219-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	SR	**0.193**	0.2500	0.01200	72.4	0.2240	14.87	02/15/2024

Batch R343269 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						02/16/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	02/16/2024

Batch R343269 **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		**0.490**	0.5000	0	98.0	90	110	02/16/2024

Batch R343269 **SampType:** MS Units **mg/L**
SampID: 24021230-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.43**	0.5000	0.9840	90.0	85	115	02/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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Batch R343269 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021230-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.43**	0.5000	0.9840	88.8	1.434	0.42	02/16/2024

Batch R343269 **SampType:** MS Units **mg/L**
SampID: 24021298-006CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.210**	0.2500	0	84.0	90	110	02/16/2024

Batch R343269 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021298-006CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.201**	0.2500	0	80.4	0.2100	4.38	02/16/2024

Batch R343286 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						02/20/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	02/20/2024

Batch R343286 **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		**0.494**	0.5000	0	98.8	90	110	02/20/2024

Batch R343286 **SampType:** MS Units **mg/L**
SampID: 24020001-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.40**	1.250	2.060	106.8	85	115	02/20/2024

Batch R343286 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.31**	1.250	2.060	99.9	3.395	2.57	02/20/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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Batch R343286 **SampType:** MS Units **mg/L**
SampID: 24021276-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.288**	0.2500	0.02700	104.4	90	110	02/20/2024

Batch R343286 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021276-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.285**	0.2500	0.02700	103.2	0.2880	1.05	02/20/2024

Batch R343286 **SampType:** MS Units **mg/L**
SampID: 24021347-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**23.3**	5.000	18.59	94.0	90	110	02/20/2024

Batch R343286 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021347-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	**23.4**	5.000	18.59	95.7	23.29	0.36	02/20/2024

Batch R343351 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						02/21/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	02/21/2024

Batch R343351 **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		**0.490**	0.5000	0	98.0	90	110	02/21/2024

Batch R343351 **SampType:** MS Units **mg/L**
SampID: 24021447-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**14.4**	5.000	9.669	94.8	90	110	02/21/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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Batch R343351 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021447-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**14.7**	5.000	9.669	101.0	14.41	2.12	02/21/2024

Batch R343351 **SampType:** MS Units **mg/L**
SampID: 24021461-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	S	**18.9**	5.000	14.49	88.0	90	110	02/21/2024

Batch R343351 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021461-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	S	**18.6**	5.000	14.49	82.6	18.88	1.45	02/21/2024

Batch R343351 **SampType:** MS Units **mg/L**
SampID: 24021509-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**43.3**	25.00	20.03	93.3	90	110	02/21/2024

Batch R343351 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021509-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**43.7**	25.00	20.03	94.6	43.35	0.79	02/21/2024

Batch R343351 **SampType:** MS Units **mg/L**
SampID: 24021524-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**11.0**	5.000	5.914	100.8	85	115	02/21/2024

Batch R343351 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021524-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.8**	5.000	5.914	97.1	10.95	1.68	02/21/2024

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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Batch R343443 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						02/22/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	02/22/2024

Batch R343443 **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		**0.503**	0.5000	0	100.6	90	110	02/22/2024

Batch R343443 **SampType:** MS Units **mg/L**
SampID: 24020001-078AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.475**	0.2500	0.2250	100.0	85	115	02/22/2024

Batch R343443 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-078AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.479**	0.2500	0.2250	101.6	0.4750	0.84	02/22/2024

Batch R343443 **SampType:** MS Units **mg/L**
SampID: 24021555-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.05**	0.5000	1.520	106.8	90	110	02/22/2024

Batch R343443 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021555-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.03**	0.5000	1.520	102.6	2.054	1.03	02/22/2024

Batch R343443 **SampType:** MS Units **mg/L**
SampID: 24021615-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.13**	1.250	1.895	98.6	90	110	02/22/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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Batch R343443 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021615-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.19**	1.250	1.895	103.8	3.127	2.06	02/22/2024

Batch R343443 **SampType:** MS Units **mg/L**
SampID: 24021660-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**15.0**	5.000	10.19	96.7	90	110	02/22/2024

Batch R343443 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021660-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**14.9**	5.000	10.19	95.1	15.02	0.51	02/22/2024

SW-846 9012A (TOTAL)

Batch 218736 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240214 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	02/15/2024

Batch 218736 **SampType:** LCS Units **mg/L**
SampID: LCS 240214 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.2	90	110	02/15/2024

Batch 218736 **SampType:** MS Units **mg/L**
SampID: 24020831-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.144**	0.1250	0.01712	101.1	90	110	02/15/2024

Batch 218736 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020831-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.138**	0.1250	0.01712	97.0	0.1436	3.64	02/15/2024

Teklab, Inc.
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Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9012A (TOTAL)

Batch 218736 **SampType:** MS Units **mg/L**
SampID: 24020991-002HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.7	75	125	02/15/2024

Batch 218736 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020991-002HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	97.9	0.02492	1.82	02/15/2024

Batch 218790 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240215 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	02/16/2024

Batch 218790 **SampType:** LCS Units **mg/L**
SampID: LCS 240215 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	90.9	90	110	02/16/2024

Batch 218790 **SampType:** MS Units **mg/L**
SampID: 24020001-005EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.019**	0.0250	0	77.0	75	125	02/16/2024

Batch 218790 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-005EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	R	**0.023**	0.0250	0	93.8	0.01926	19.64	02/16/2024

Batch 218790 **SampType:** MS Units **mg/L**
SampID: 24021110-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	95.0	90	110	02/16/2024

Batch 218790 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021110-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	97.6	0.02376	2.66	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9012A (TOTAL)

Batch 218790 **SampType:** MS Units **mg/L**
SampID: 24021122-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.137**	0.1250	0.02172	92.0	90	110	02/16/2024

Batch 218790 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021122-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.146**	0.1250	0.02172	99.2	0.1368	6.35	02/16/2024

Batch 218792 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240215 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	02/16/2024

Batch 218792 **SampType:** LCS Units **mg/L**
SampID: LCS 240215 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	96.6	90	110	02/16/2024

Batch 218792 **SampType:** MS Units **mg/L**
SampID: 24020991-005EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	97.7	75	125	02/16/2024

Batch 218792 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020991-005EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	93.0	0.02443	4.93	02/16/2024

Batch 218850 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240216 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	02/19/2024

Batch 218850 **SampType:** LCS Units **mg/L**
SampID: LCS 240216 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	96.3	90	110	02/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9012A (TOTAL)

Batch 218850 **SampType:** MS Units **mg/L**
SampID: 24020001-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	95.0	75	125	02/19/2024

Batch 218850 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.7	0.02376	4.83	02/19/2024

Batch 218850 **SampType:** MS Units **mg/L**
SampID: 24021139-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**< 0.005**	0.0250	0	0	90	110	02/19/2024

Batch 218850 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021139-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	S	**< 0.005**	0.0250	0	0	0	0.00	02/19/2024

Batch 218851 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240216 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	02/19/2024

Batch 218851 **SampType:** LCS Units **mg/L**
SampID: LCS 240216 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	95.1	90	110	02/19/2024

Batch 218851 **SampType:** MS Units **mg/L**
SampID: 24020991-006EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.015**	0.0250	0	59.9	75	125	02/19/2024

Batch 218851 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020991-006EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	SR	**0.011**	0.0250	0	43.7	0.01496	31.25	02/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9012A (TOTAL)

Batch 218851 **SampType:** MS Units **mg/L**
SampID: 24020991-013EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	91.7	75	125	02/19/2024

Batch 218851 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020991-013EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	91.3	0.02292	0.46	02/19/2024

Batch 218898 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240219 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	02/20/2024

Batch 218898 **SampType:** LCS Units **mg/L**
SampID: LCS 240219 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	95.4	90	110	02/20/2024

Batch 218898 **SampType:** MS Units **mg/L**
SampID: 24021219-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.5	75	125	02/20/2024

Batch 218898 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021219-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.7	0.02462	2.27	02/20/2024

Batch 218898 **SampType:** MS Units **mg/L**
SampID: 24021293-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.4	90	110	02/20/2024

Batch 218898 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021293-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	105.0	0.02485	5.52	02/20/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9012A (TOTAL)

Batch 218900 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240219 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	02/20/2024

Batch 218900 **SampType:** LCS Units **mg/L**
SampID: LCS 240219 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	98.5	90	110	02/20/2024

Batch 218900 **SampType:** MS Units **mg/L**
SampID: 24021219-009EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.1	75	125	02/20/2024

Batch 218900 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021219-009EMSD

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	0.02577	0.74	02/20/2024

Batch 218964 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240220 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	02/21/2024

Batch 218964 **SampType:** LCS Units **mg/L**
SampID: LCS 240220 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	96.8	90	110	02/21/2024

Batch 219081 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240222 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	02/23/2024

Batch 219081 **SampType:** LCS Units **mg/L**
SampID: LCS 240222 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	99.5	90	110	02/23/2024

Teklab, Inc.
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Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9012A (TOTAL)

Batch 219081 **SampType:** MS Units **mg/L**
SampID: 24020001-076DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	93.3	75	125	02/23/2024

Batch 219081 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-076DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	92.3	0.02333	1.12	02/23/2024

Batch 219139 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240223 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	02/26/2024

Batch 219139 **SampType:** LCS Units **mg/L**
SampID: LCS 240223 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	92.9	90	110	02/26/2024

Batch 219139 **SampType:** MS Units **mg/L**
SampID: 24020001-027EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	91.3	75	125	02/26/2024

Batch 219139 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-027EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	93.0	0.02283	1.78	02/26/2024

Batch 219197 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240226 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	02/27/2024

Batch 219197 **SampType:** LCS Units **mg/L**
SampID: LCS 240226 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	94.4	90	110	02/27/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9012A (TOTAL)

Batch 219197 **SampType:** MS Units **mg/L**
SampID: 24021830-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.133**	0.1250	0.01215	96.8	90	110	02/27/2024

Batch 219197 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021830-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.131**	0.1250	0.01215	94.7	0.1332	1.95	02/27/2024

SW-846 9036 (DISSOLVED)

Batch R343078 **SampType:** MS Units **mg/L**
SampID: 24020001-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**73**	40.00	37.08	90.3	85	115	02/14/2024

Batch R343078 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-031BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**76**	40.00	37.08	97.9	73.20	4.07	02/14/2024

Batch R343392 **SampType:** MS Units **mg/L**
SampID: 24020001-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**186**	100.0	87.70	98.0	85	115	02/21/2024

Batch R343392 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**178**	100.0	87.70	90.8	185.7	3.98	02/21/2024

Batch R343452 **SampType:** MS Units **mg/L**
SampID: 24020901-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**242**	100.0	145.6	96.7	85	115	02/22/2024

Teklab, Inc.
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Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9036 (DISSOLVED)

Batch R343452 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020901-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**234**	100.0	145.6	88.8	242.3	3.34	02/22/2024

SW-846 9036 (TOTAL)

Batch R343078 **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	02/14/2024

Batch R343078 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	96.7	90	110	02/14/2024

Batch R343078 **SampType:** MS Units **mg/L**
SampID: 24020907-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**90**	40.00	52.32	95.3	90	110	02/14/2024

Batch R343078 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020907-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**93**	40.00	52.32	101.2	90.44	2.59	02/14/2024

Batch R343078 **SampType:** MS Units **mg/L**
SampID: 24020991-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**348**	200.0	168.4	89.8	85	115	02/15/2024

Batch R343078 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020991-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**345**	200.0	168.4	88.4	348.1	0.85	02/15/2024

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Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343078 **SampType:** MS Units **mg/L**
SampID: 24020991-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100	S	**323**	200.0	156.6	83.4	85	115	02/15/2024

Batch R343078 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020991-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100	S	**326**	200.0	156.6	84.6	323.4	0.75	02/15/2024

Batch R343142 **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	02/15/2024

Batch R343142 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	96.7	90	110	02/15/2024

Batch R343142 **SampType:** MS Units **mg/L**
SampID: 24021083-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	E	**51**	20.00	32.47	90.8	85	115	02/15/2024

Batch R343142 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021083-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	E	**51**	20.00	32.47	92.2	50.63	0.55	02/15/2024

Batch R343209 **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	02/16/2024

Batch R343209 **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	94.5	90	110	02/16/2024

Teklab, Inc.
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Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343209 **SampType:** MS Units **mg/L**
SampID: 24021085-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**94**	40.00	59.02	88.2	85	115	02/16/2024

Batch R343209 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021085-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**94**	40.00	59.02	88.3	94.31	0.03	02/16/2024

Batch R343209 **SampType:** MS Units **mg/L**
SampID: 24021127-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	S	**35**	40.00	0	88.7	90	110	02/16/2024

Batch R343209 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021127-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	S	**34**	40.00	0	85.5	35.48	3.64	02/16/2024

Batch R343209 **SampType:** MS Units **mg/L**
SampID: 24021127-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	S	**32**	40.00	0	81.2	90	110	02/16/2024

Batch R343209 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021127-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	S	**33**	40.00	0	82.6	32.47	1.74	02/16/2024

Batch R343209 **SampType:** MS Units **mg/L**
SampID: 24021140-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**702**	400.0	311.2	97.8	90	110	02/16/2024

Batch R343209 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021140-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**674**	400.0	311.2	90.8	702.5	4.11	02/16/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343209 **SampType:** MS Units **mg/L**
SampID: 24021219-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**18**	20.00	0	91.0	85	115	02/16/2024

Batch R343209 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021219-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**18**	20.00	0	92.4	18.19	1.58	02/16/2024

Batch R343255 **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	02/19/2024

Batch R343255 **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	98.6	90	110	02/19/2024

Batch R343255 **SampType:** MS Units **mg/L**
SampID: 24020001-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**227**	100.0	127.7	98.8	85	115	02/19/2024

Batch R343255 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**221**	100.0	127.7	93.3	226.5	2.48	02/19/2024

Batch R343255 **SampType:** MS Units **mg/L**
SampID: 24021216-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	E	**109**	40.00	72.10	92.0	85	115	02/19/2024

Batch R343255 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021216-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**113**	40.00	72.10	102.0	108.9	3.57	02/19/2024

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Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343255 **SampType:** MS Units **mg/L**
SampID: 24021217-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**84**	40.00	46.70	94.1	85	115	02/19/2024

Batch R343255 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021217-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**86**	40.00	46.70	99.2	84.32	2.39	02/19/2024

Batch R343255 **SampType:** MS Units **mg/L**
SampID: 24021218-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**228**	100.0	135.7	92.4	85	115	02/19/2024

Batch R343255 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021218-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**228**	100.0	135.7	92.2	228.1	0.07	02/19/2024

Batch R343255 **SampType:** MS Units **mg/L**
SampID: 24021230-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**31**	20.00	13.38	87.8	85	115	02/19/2024

Batch R343255 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021230-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**31**	20.00	13.38	89.7	30.95	1.16	02/19/2024

Batch R343255 **SampType:** MS Units **mg/L**
SampID: 24021298-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	S	**72**	40.00	36.95	86.9	90	110	02/20/2024

Batch R343255 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021298-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	S	**73**	40.00	36.95	89.4	71.69	1.44	02/20/2024

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Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343322 **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	02/20/2024

Batch R343322 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	99.7	90	110	02/20/2024

Batch R343322 **SampType:** MS Units **mg/L**
SampID: 24021285-020BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**83**	40.00	44.53	96.7	85	115	02/20/2024

Batch R343322 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021285-020BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**81**	40.00	44.53	91.5	83.20	2.53	02/20/2024

Batch R343392 **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	02/21/2024

Batch R343392 **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	02/21/2024

Batch R343392 **SampType:** MS Units **mg/L**
SampID: 24020001-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**174**	100.0	77.84	96.2	85	115	02/21/2024

Batch R343392 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**178**	100.0	77.84	100.0	174.0	2.17	02/21/2024

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Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343392 **SampType:** MS Units **mg/L**
SampID: 24020001-094AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**917**	400.0	540.8	94.0	85	115	02/21/2024

Batch R343392 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-094AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**907**	400.0	540.8	91.5	916.8	1.12	02/21/2024

Batch R343392 **SampType:** MS Units **mg/L**
SampID: 24021285-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**765**	400.0	394.3	92.8	85	115	02/21/2024

Batch R343392 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021285-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**791**	400.0	394.3	99.1	765.5	3.22	02/21/2024

Batch R343392 **SampType:** MS Units **mg/L**
SampID: 24021285-016BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**326**	200.0	136.4	94.9	85	115	02/21/2024

Batch R343392 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021285-016BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**327**	200.0	136.4	95.4	326.1	0.35	02/21/2024

Batch R343452 **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	02/22/2024

Batch R343452 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**18**	20.00	0	92.5	90	110	02/22/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343452 **SampType:** MS Units **mg/L**
SampID: 24021582-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**82**	40.00	42.90	96.8	90	110	02/22/2024

Batch R343452 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021582-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**83**	40.00	42.90	99.5	81.61	1.33	02/22/2024

Batch R343452 **SampType:** MS Units **mg/L**
SampID: 24021616-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**24**	20.00	8.310	79.8	85	115	02/23/2024

Batch R343452 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021616-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**25**	20.00	8.310	81.7	24.27	1.55	02/23/2024

Batch R343641 **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	02/23/2024

Batch R343641 **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	93.4	90	110	02/23/2024

Batch R343641 **SampType:** MS Units **mg/L**
SampID: 24020001-075AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**182**	100.0	83.35	98.7	85	115	02/23/2024

Batch R343641 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24020001-075AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**186**	100.0	83.35	103.1	182.0	2.39	02/23/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343641 **SampType:** MS Units **mg/L**
SampID: 24021582-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**153**	100.0	62.64	90.7	90	110	02/23/2024

Batch R343641 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021582-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**154**	100.0	62.64	91.2	153.3	0.35	02/23/2024

Batch R343726 **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	02/28/2024

Batch R343726 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219224

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	02/28/2024

Batch R343726 **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	90.6	90	110	02/28/2024

Batch R343726 **SampType:** MS Units **mg/L**
SampID: 24010117-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**38**	20.00	22.97	73.0	85	115	02/28/2024

Batch R343726 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24010117-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**38**	20.00	22.97	73.3	37.58	0.13	02/28/2024

Batch R343726 **SampType:** MS Units **mg/L**
SampID: 24021733-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**42**	20.00	24.97	83.2	90	110	02/28/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343726 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021733-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**42**	20.00	24.97	85.3	41.60	1.03	02/28/2024

Batch R343726 **SampType:** MS Units **mg/L**
SampID: 24021928-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		500	S	**1640**	1000	890.9	74.6	90	110	02/28/2024

Batch R343726 **SampType:** MSD Units **mg/L** RPD Limit: **10**
SampID: 24021928-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		500	S	**1650**	1000	890.9	75.8	1637	0.74	02/28/2024

SW-846 9060A

Batch R343233 **SampType:** MBLK Units **mg/L**
SampID: Filter Blank

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	02/19/2024

Batch R343233 **SampType:** MBLK Units **mg/L**
SampID: MB-R343233

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	02/19/2024

Batch R343233 **SampType:** LCS Units **mg/L**
SampID: LCS-R343233

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**5.0**	5.000	0	99.8	90	110	02/19/2024

Batch R343440 **SampType:** MBLK Units **mg/L**
SampID: Filter Blank

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	02/22/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9060A

Batch R343440 **SampType:** MBLK Units **mg/L**
SampID: MB-R343440

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	02/22/2024

Batch R343440 **SampType:** LCS Units **mg/L**
SampID: LCS-R343440

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**5.0**	5.000	0	100.0	90	110	02/22/2024

Batch R343771 **SampType:** MBLK Units **mg/L**
SampID: Filter Blank

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	02/29/2024

Batch R343771 **SampType:** MBLK Units **mg/L**
SampID: MB-R343771

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**< 1.0**	0.4500	0	0	-100	100	02/29/2024

Batch R343771 **SampType:** LCS Units **mg/L**
SampID: LCS-R343771

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Dissolved Organic Carbon		1.0		**5.0**	5.000	0	100.2	90	110	02/29/2024

SW-846 9066 (TOTAL)

Batch R343277 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	02/19/2024

Batch R343277 **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	02/19/2024

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Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9066 (TOTAL)

Batch R343277 **SampType:** MS Units **mg/L**
SampID: 24021110-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.057**	0.0500	0	113.2	90	110	02/19/2024

Batch R343277 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021110-001EMSD

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	113.8	0.05661	0.55	02/19/2024

Batch R343277 **SampType:** MS Units **mg/L**
SampID: 24021110-003EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.060**	0.0500	0	120.9	90	110	02/19/2024

Batch R343277 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021110-003EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	R	**0.049**	0.0500	0	98.0	0.06046	20.90	02/19/2024

Batch R343277 **SampType:** MS Units **mg/L**
SampID: 24021110-005EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.062**	0.0500	0	124.6	90	110	02/19/2024

Batch R343277 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021110-005EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0	108.6	0.06232	13.72	02/19/2024

Batch R343277 **SampType:** MS Units **mg/L**
SampID: 24021188-002EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.057**	0.0500	0	114.2	90	110	02/19/2024

Batch R343277 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021188-002EMSD

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	114.9	0.05712	0.56	02/19/2024

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Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9066 (TOTAL)

Batch R343277 **SampType:** MS Units **mg/L**
SampID: 24021259-002EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.081**	0.0500	0.02783	107.1	90	110	02/19/2024

Batch R343277 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021259-002EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.086**	0.0500	0.02783	115.7	0.08139	5.14	02/19/2024

Batch R343277 **SampType:** MS Units **mg/L**
SampID: 24021260-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.006**	0.0500	0	11.8	90	110	02/19/2024

Batch R343277 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021260-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	SR	**0.008**	0.0500	0	15.9	0.005890	29.65	02/19/2024

Batch R343421 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	02/21/2024

Batch R343421 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.053**	0.0500	0	106.6	90	110	02/21/2024

Batch R343421 **SampType:** MS Units **mg/L**
SampID: 24021285-015FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.060**	0.0500	0.003640	112.1	85	115	02/21/2024

Batch R343421 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021285-015FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.055**	0.0500	0.003640	102.9	0.05968	8.02	02/21/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9066 (TOTAL)

Batch R343421 **SampType:** MS Units **mg/L**
SampID: 24021361-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.055**	0.0500	0.003300	104.2	90	110	02/21/2024

Batch R343421 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021361-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0.003300	101.6	0.05542	2.41	02/21/2024

Batch R343517 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	02/23/2024

Batch R343517 **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		**0.050**	0.0500	0	100.7	90	110	02/23/2024

Batch R343517 **SampType:** MS Units **mg/L**
SampID: 24021508-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.058**	0.0500	0	115.8	90	110	02/23/2024

Batch R343517 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021508-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	R	**0.049**	0.0500	0	97.4	0.05789	17.24	02/23/2024

Batch R343517 **SampType:** MS Units **mg/L**
SampID: 24021515-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.079**	0.0500	0.02465	108.1	90	110	02/23/2024

Batch R343517 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021515-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.078**	0.0500	0.02465	106.3	0.07868	1.10	02/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9066 (TOTAL)

Batch R343691 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	02/28/2024

Batch R343691 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0	108.1	90	110	02/28/2024

Batch R343691 **SampType:** MS Units **mg/L**
SampID: 24021619-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.055**	0.0500	0	110.8	90	110	02/28/2024

Batch R343691 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021619-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0	108.1	0.05540	2.50	02/28/2024

Batch R343691 **SampType:** MS Units **mg/L**
SampID: 24021928-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.058**	0.0500	0	116.7	90	110	02/28/2024

Batch R343691 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021928-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.053**	0.0500	0	105.5	0.05833	10.05	02/28/2024

Batch R343691 **SampType:** MS Units **mg/L**
SampID: 24021932-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.063**	0.0500	0	126.1	85	115	02/28/2024

Batch R343691 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021932-001EMSD

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	130.9	0.06303	3.80	02/28/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9214 (DISSOLVED)

Batch R343081 **SampType:** MS Units **mg/L**
SampID: 24020001-033BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.3750	96.0	75	125	02/14/2024

Batch R343081 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-033BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.40**	2.000	0.3750	101.1	2.294	4.39	02/14/2024

Batch R343151 **SampType:** MS Units **mg/L**
SampID: 24020001-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.36**	2.000	0.3120	102.6	75	125	02/15/2024

Batch R343151 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.60**	2.000	0.3120	114.4	2.363	9.55	02/15/2024

Batch R343151 **SampType:** MS Units **mg/L**
SampID: 24020001-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.39**	2.000	0.3960	99.5	75	125	02/15/2024

Batch R343151 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.3960	100.8	2.386	1.08	02/15/2024

Batch R343192 **SampType:** MS Units **mg/L**
SampID: 24020001-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.34**	2.000	0.2610	104.0	75	125	02/16/2024

Batch R343192 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-019BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.38**	2.000	0.2610	105.8	2.340	1.53	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9214 (DISSOLVED)

Batch R343192 **SampType:** MS Units **mg/L**
SampID: 24020001-092BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.37**	2.000	0.3420	101.3	75	125	02/16/2024

Batch R343192 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-092BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.40**	2.000	0.3420	103.1	2.368	1.51	02/16/2024

Batch R343311 **SampType:** MS Units **mg/L**
SampID: 24020001-045BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.31**	2.000	0.3100	99.8	75	125	02/20/2024

Batch R343311 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-045BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.30**	2.000	0.3100	99.7	2.307	0.17	02/20/2024

Batch R343485 **SampType:** MS Units **mg/L**
SampID: 24020001-103IMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.92**	2.000	0	96.2	75	125	02/23/2024

Batch R343485 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-103IMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.03**	2.000	0	101.7	1.925	5.46	02/23/2024

SW-846 9214 (TOTAL)

Batch R343081 **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	02/14/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9214 (TOTAL)

Batch R343081 **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		**0.90**	1.000	0	90.5	90	110	02/14/2024

Batch R343081 **SampType:** MS Units **mg/L**
SampID: 24020001-041AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.35**	2.000	0.3030	102.4	75	125	02/14/2024

Batch R343081 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-041AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.3030	100.6	2.350	1.50	02/14/2024

Batch R343081 **SampType:** MS Units **mg/L**
SampID: 24020927-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.07**	2.000	0.1450	96.4	75	125	02/14/2024

Batch R343081 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020927-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.19**	2.000	0.1450	102.2	2.072	5.54	02/14/2024

Batch R343151 **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	02/15/2024

Batch R343151 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.97**	1.000	0	97.4	90	110	02/15/2024

Batch R343151 **SampType:** MS Units **mg/L**
SampID: 24020001-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.38**	2.000	0.4090	98.8	75	125	02/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9214 (TOTAL)

Batch R343151 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.37**	2.000	0.4090	98.0	2.384	0.63	02/15/2024

Batch R343151 **SampType:** MS Units **mg/L**
SampID: 24020001-064AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.50**	2.000	0.5240	98.8	75	125	02/15/2024

Batch R343151 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-064AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.55**	2.000	0.5240	101.2	2.501	1.82	02/15/2024

Batch R343151 **SampType:** MS Units **mg/L**
SampID: 24020001-098AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.35**	2.000	0.2840	103.4	75	125	02/15/2024

Batch R343151 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-098AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.35**	2.000	0.2840	103.4	2.353	0.00	02/15/2024

Batch R343151 **SampType:** MS Units **mg/L**
SampID: 24021127-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.31**	2.000	0.2350	103.6	75	125	02/15/2024

Batch R343151 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021127-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.27**	2.000	0.2350	101.8	2.307	1.57	02/15/2024

Batch R343192 **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	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9214 (TOTAL)

Batch R343192 **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		**0.96**	1.000	0	96.2	90	110	02/16/2024

Batch R343192 **SampType:** MS Units **mg/L**
SampID: 24020001-051AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.15**	2.000	0.2610	94.5	75	125	02/16/2024

Batch R343192 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-051AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.14**	2.000	0.2610	94.1	2.151	0.37	02/16/2024

Batch R343192 **SampType:** MS Units **mg/L**
SampID: 24021047-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.1890	111.1	75	125	02/16/2024

Batch R343192 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021047-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.1890	101.3	2.411	8.47	02/16/2024

Batch R343192 **SampType:** MS Units **mg/L**
SampID: 24021110-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.54**	2.000	0.4260	105.8	75	125	02/16/2024

Batch R343192 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021110-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.50**	2.000	0.4260	103.6	2.543	1.83	02/16/2024

Batch R343192 **SampType:** MS Units **mg/L**
SampID: 24021116-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.21**	2.000	0.2360	98.6	75	125	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9214 (TOTAL)

Batch R343192 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021116-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.24**	2.000	0.2360	100.0	2.209	1.26	02/16/2024

Batch R343192 **SampType:** MS Units **mg/L**
SampID: 24021242-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.76**	2.000	0.8610	94.8	75	125	02/16/2024

Batch R343192 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021242-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.78**	2.000	0.8610	96.2	2.758	0.94	02/16/2024

Batch R343237 **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	02/19/2024

Batch R343237 **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		**1.03**	1.000	0	102.6	90	110	02/19/2024

Batch R343237 **SampType:** MS Units **mg/L**
SampID: 24020001-039AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.3510	102.8	75	125	02/19/2024

Batch R343237 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-039AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.3510	97.0	2.407	4.98	02/19/2024

Batch R343237 **SampType:** MS Units **mg/L**
SampID: 24021285-014AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.24**	2.000	0.2320	100.4	75	125	02/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9214 (TOTAL)

Batch R343237 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021285-014AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.28**	2.000	0.2320	102.2	2.239	1.64	02/19/2024

Batch R343237 **SampType:** MS Units **mg/L**
SampID: 24021285-022AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.08**	2.000	0.2460	91.6	75	125	02/19/2024

Batch R343237 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021285-022AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.18**	2.000	0.2460	96.9	2.078	4.97	02/19/2024

Batch R343237 **SampType:** MS Units **mg/L**
SampID: 24021298-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.2040	100.9	75	125	02/19/2024

Batch R343237 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021298-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.34**	2.000	0.2040	106.6	2.222	5.00	02/19/2024

Batch R343311 **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	02/20/2024

Batch R343311 **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	92.1	90	110	02/20/2024

Batch R343311 **SampType:** MS Units **mg/L**
SampID: 24020001-045AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.32**	2.000	0.3230	100.1	75	125	02/20/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9214 (TOTAL)

Batch R343311 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-045AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.30**	2.000	0.3230	98.8	2.325	1.17	02/20/2024

Batch R343311 **SampType:** MS Units **mg/L**
SampID: 24020001-067AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.03**	2.000	0.2020	91.4	75	125	02/20/2024

Batch R343311 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-067AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.14**	2.000	0.2020	97.0	2.029	5.37	02/20/2024

Batch R343311 **SampType:** MS Units **mg/L**
SampID: 24020001-101AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.2470	98.5	75	125	02/20/2024

Batch R343311 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-101AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.2470	110.4	2.217	10.15	02/20/2024

Batch R343485 **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	02/23/2024

Batch R343485 **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	92.3	90	110	02/23/2024

Batch R343485 **SampType:** MS Units **mg/L**
SampID: 24010117-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.37**	2.000	0.3740	99.7	75	125	02/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9214 (TOTAL)

Batch R343485 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24010117-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.3740	101.8	2.368	1.76	02/23/2024

Batch R343485 **SampType:** MS Units **mg/L**
SampID: 24010117-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.37**	2.000	0.3730	99.8	75	125	02/23/2024

Batch R343485 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24010117-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.26**	2.000	0.3730	94.2	2.370	4.84	02/23/2024

Batch R343485 **SampType:** MS Units **mg/L**
SampID: 24020001-049AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.48**	2.000	0.3620	106.0	75	125	02/23/2024

Batch R343485 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-049AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.45**	2.000	0.3620	104.6	2.482	1.18	02/23/2024

Batch R343485 **SampType:** MS Units **mg/L**
SampID: 24020001-074AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.36**	2.000	0.2760	104.1	75	125	02/23/2024

Batch R343485 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-074AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.24**	2.000	0.2760	98.3	2.358	5.04	02/23/2024

Batch R343485 **SampType:** MS Units **mg/L**
SampID: 24020001-082AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**3.17**	2.000	1.149	101.0	75	125	02/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9214 (TOTAL)

Batch R343485 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-082AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**3.19**	2.000	1.149	102.1	3.169	0.69	02/23/2024

Batch R343485 **SampType:** MS Units **mg/L**
SampID: 24020001-103AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.86**	2.000	0	93.2	75	125	02/23/2024

Batch R343485 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-103AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.00**	2.000	0	99.9	1.864	6.94	02/23/2024

Batch R344130 **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	03/08/2024

Batch R344130 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.97**	1.000	0	96.9	90	110	03/08/2024

Batch R344130 **SampType:** MS Units **mg/L**
SampID: 24030573-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**5.10**	2.000	2.995	105.1	75	125	03/08/2024

Batch R344130 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24030573-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**5.19**	2.000	2.995	109.8	5.097	1.85	03/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

SW-846 9251 (DISSOLVED)

Batch R343080 **SampType:** MS Units **mg/L**
SampID: 24020001-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**71**	40.00	35.74	89.0	85	115	02/14/2024

Batch R343080 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-031BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**72**	40.00	35.74	89.8	71.35	0.43	02/14/2024

Batch R343325 **SampType:** MS Units **mg/L**
SampID: 24020001-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	4.760	94.2	85	115	02/20/2024

Batch R343325 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	4.760	94.2	23.59	0.04	02/20/2024

Batch R343454 **SampType:** MS Units **mg/L**
SampID: 24020901-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**48**	20.00	30.30	88.6	85	115	02/22/2024

Batch R343454 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020901-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**47**	20.00	30.30	85.9	48.01	1.11	02/22/2024

SW-846 9251 (TOTAL)

Batch R343080 **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	02/14/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343080 **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	102.6	90	110	02/14/2024

Batch R343080 **SampType:** MS Units **mg/L**
SampID: 24020907-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	4.010	98.2	85	115	02/14/2024

Batch R343080 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020907-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	4.010	98.2	23.64	0.00	02/14/2024

Batch R343080 **SampType:** MS Units **mg/L**
SampID: 24020936-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		200		**1590**	1000	661.3	92.4	85	115	02/14/2024

Batch R343080 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020936-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		200		**1590**	1000	661.3	92.4	1586	0.04	02/14/2024

Batch R343144 **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	02/15/2024

Batch R343144 **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	02/15/2024

Batch R343144 **SampType:** MS Units **mg/L**
SampID: 24020001-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**56**	20.00	38.63	88.4	85	115	02/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343144 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**57**	20.00	38.63	91.4	56.31	1.06	02/15/2024

Batch R343144 **SampType:** MS Units **mg/L**
SampID: 24020991-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**538**	400.0	173.7	91.0	85	115	02/15/2024

Batch R343144 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020991-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		**539**	400.0	173.7	91.3	537.8	0.20	02/15/2024

Batch R343144 **SampType:** MS Units **mg/L**
SampID: 24021083-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**65**	40.00	29.17	90.1	85	115	02/15/2024

Batch R343144 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021083-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**65**	40.00	29.17	90.1	65.20	0.02	02/15/2024

Batch R343214 **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	02/16/2024

Batch R343214 **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	101.5	90	110	02/16/2024

Batch R343214 **SampType:** MS Units **mg/L**
SampID: 24021085-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**294**	200.0	113.3	90.3	85	115	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343214 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021085-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**291**	200.0	113.3	88.6	293.9	1.14	02/16/2024

Batch R343214 **SampType:** MS Units **mg/L**
SampID: 24021127-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	4.240	97.1	85	115	02/16/2024

Batch R343214 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021127-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	4.240	98.4	23.66	1.09	02/16/2024

Batch R343214 **SampType:** MS Units **mg/L**
SampID: 24021127-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	4.000	99.0	85	115	02/16/2024

Batch R343214 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021127-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	4.000	102.4	23.79	2.86	02/16/2024

Batch R343214 **SampType:** MS Units **mg/L**
SampID: 24021140-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**341**	200.0	159.1	91.0	85	115	02/16/2024

Batch R343214 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021140-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**348**	200.0	159.1	94.7	341.1	2.15	02/16/2024

Batch R343214 **SampType:** MS Units **mg/L**
SampID: 24021219-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**352**	200.0	172.4	89.7	85	115	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343214 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021219-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**350**	200.0	172.4	88.8	351.7	0.51	02/16/2024

Batch R343256 **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	02/19/2024

Batch R343256 **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	02/19/2024

Batch R343256 **SampType:** MS Units **mg/L**
SampID: 24021230-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**28**	20.00	8.850	96.3	85	115	02/19/2024

Batch R343256 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021230-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**28**	20.00	8.850	97.1	28.11	0.57	02/19/2024

Batch R343256 **SampType:** MS Units **mg/L**
SampID: 24021298-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**26**	20.00	6.610	95.3	85	115	02/20/2024

Batch R343256 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021298-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**26**	20.00	6.610	96.1	25.67	0.62	02/20/2024

Batch R343325 **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	02/20/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343325 **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	106.5	90	110	02/20/2024

Batch R343325 **SampType:** MS Units **mg/L**
SampID: 24020001-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	5.410	91.8	85	115	02/20/2024

Batch R343325 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	5.410	92.2	23.76	0.34	02/20/2024

Batch R343325 **SampType:** MS Units **mg/L**
SampID: 24020001-094AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**26**	20.00	7.500	93.3	85	115	02/20/2024

Batch R343325 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-094AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**26**	20.00	7.500	91.8	26.16	1.19	02/20/2024

Batch R343325 **SampType:** MS Units **mg/L**
SampID: 24021285-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**250**	200.0	63.08	93.5	85	115	02/20/2024

Batch R343325 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021285-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**254**	200.0	63.08	95.4	250.0	1.53	02/20/2024

Batch R343325 **SampType:** MS Units **mg/L**
SampID: 24021285-016BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**26**	20.00	6.910	96.9	85	115	02/20/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343325 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021285-016BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**26**	20.00	6.910	95.6	26.29	1.03	02/20/2024

Batch R343325 **SampType:** MS Units **mg/L**
SampID: 24021285-020BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**40**	20.00	22.31	89.0	85	115	02/20/2024

Batch R343325 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021285-020BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**40**	20.00	22.31	87.4	40.10	0.78	02/20/2024

Batch R343402 **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	02/21/2024

Batch R343402 **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	98.2	90	110	02/21/2024

Batch R343454 **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	02/22/2024

Batch R343454 **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	97.2	90	110	02/22/2024

Batch R343454 **SampType:** MS Units **mg/L**
SampID: 24020001-075AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**25**	20.00	6.640	92.2	85	115	02/22/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343454 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24020001-075AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**25**	20.00	6.640	92.6	25.07	0.32	02/22/2024

Batch R343454 **SampType:** MS Units **mg/L**
SampID: 24021615-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**32**	20.00	14.19	88.8	85	115	02/22/2024

Batch R343454 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021615-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**32**	20.00	14.19	89.0	31.94	0.13	02/22/2024

Batch R343454 **SampType:** MS Units **mg/L**
SampID: 24021616-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**28**	20.00	10.44	89.7	85	115	02/23/2024

Batch R343454 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021616-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**28**	20.00	10.44	89.8	28.38	0.04	02/23/2024

Batch R343643 **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	02/23/2024

Batch R343643 **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	98.4	90	110	02/23/2024

Batch R343643 **SampType:** MS Units **mg/L**
SampID: 24021615-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**145**	100.0	43.79	100.8	85	115	02/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343643 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021615-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**137**	100.0	43.79	93.2	144.6	5.40	02/23/2024

Batch R343732 **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	02/28/2024

Batch R343732 **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	100.0	90	110	02/28/2024

Batch R343732 **SampType:** MS Units **mg/L**
SampID: 24010117-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**42**	20.00	24.84	85.0	85	115	02/28/2024

Batch R343732 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24010117-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**42**	20.00	24.84	85.5	41.84	0.24	02/28/2024

Batch R343732 **SampType:** MS Units **mg/L**
SampID: 24021482-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**297**	200.0	117.1	89.8	85	115	02/28/2024

Batch R343732 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021482-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**291**	200.0	117.1	87.0	296.7	1.90	02/28/2024

Batch R343732 **SampType:** MS Units **mg/L**
SampID: 24021484-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**55**	20.00	37.53	88.0	85	115	02/28/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343732 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021484-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**56**	20.00	37.53	91.9	55.14	1.39	02/28/2024

Batch R343732 **SampType:** MS Units **mg/L**
SampID: 24021733-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**39**	20.00	21.72	86.2	85	115	02/28/2024

Batch R343732 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 24021733-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**39**	20.00	21.72	85.8	38.95	0.15	02/28/2024

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

Batch 218757 **SampType:** MS Units **mg/L**
SampID: 24020991-002FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.927**	1.000	0	92.7	75	125	02/16/2024
Barium		0.0025		**3.55**	4.000	0.1587	84.8	75	125	02/16/2024
Cadmium		0.0020		**0.0872**	0.1000	0	87.2	75	125	02/16/2024
Chromium		0.0050		**0.349**	0.4000	0	87.2	75	125	02/16/2024
Lead		0.0150		**0.867**	1.000	0	86.7	75	125	02/16/2024
Selenium		0.0400		**0.862**	1.000	0	86.2	75	125	02/16/2024
Silver		0.0070		**0.0861**	0.1000	0	86.1	75	125	02/16/2024

Batch 218757 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020991-002FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.928**	1.000	0	92.8	0.9269	0.09	02/16/2024
Barium		0.0025		**3.60**	4.000	0.1587	86.0	3.550	1.40	02/16/2024
Cadmium		0.0020		**0.0881**	0.1000	0	88.1	0.08720	1.03	02/16/2024
Chromium		0.0050		**0.350**	0.4000	0	87.5	0.3490	0.31	02/16/2024
Lead		0.0150		**0.870**	1.000	0	87.0	0.8666	0.33	02/16/2024
Selenium		0.0400		**0.868**	1.000	0	86.8	0.8615	0.76	02/16/2024
Silver		0.0070		**0.0865**	0.1000	0	86.5	0.08610	0.46	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218757 **SampType:** MS Units **mg/L**

SampID: 24020991-010DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.500**	0.5000	0	99.9	75	125	02/16/2024
Barium		0.0025		**1.96**	2.000	0.1497	90.5	75	125	02/16/2024
Cadmium		0.0020		**0.0455**	0.0500	0	91.0	75	125	02/16/2024
Chromium		0.0050		**0.182**	0.2000	0	91.2	75	125	02/16/2024
Lead		0.0150		**0.457**	0.5000	0	91.4	75	125	02/16/2024
Selenium		0.0400		**0.458**	0.5000	0	91.7	75	125	02/16/2024
Silver		0.0070		**0.0460**	0.0500	0	92.0	75	125	02/16/2024

Batch 218757 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24020991-010DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.504**	0.5000	0	100.7	0.4997	0.80	02/16/2024
Barium		0.0025		**1.96**	2.000	0.1497	90.5	1.960	0.00	02/16/2024
Cadmium		0.0020		**0.0455**	0.0500	0	91.0	0.04550	0.00	02/16/2024
Chromium		0.0050		**0.184**	0.2000	0	91.9	0.1825	0.71	02/16/2024
Lead		0.0150		**0.459**	0.5000	0	91.8	0.4568	0.46	02/16/2024
Selenium		0.0400		**0.466**	0.5000	0	93.2	0.4583	1.64	02/16/2024
Silver		0.0070		**0.0460**	0.0500	0	92.0	0.04600	0.00	02/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218758 **SampType:** MBLK Units **mg/L**

SampID: MBLK-218758

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	02/16/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	02/16/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	02/16/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	02/16/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	02/16/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	02/16/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	02/16/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/16/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	02/16/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	02/16/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	02/16/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	02/16/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	02/19/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/16/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	02/16/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	02/16/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	02/16/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/16/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	02/16/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	02/16/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/16/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	02/16/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	02/16/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218758 **SampType:** LCS Units **mg/L**

SampID: LCS-218758

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.76**	2.000	0	87.9	85	115	02/16/2024
Antimony		0.0500		**0.452**	0.5000	0	90.5	85	115	02/16/2024
Arsenic		0.0250		**0.472**	0.5000	0	94.3	85	115	02/16/2024
Barium		0.0025		**1.82**	2.000	0	90.9	85	115	02/16/2024
Beryllium		0.0005		**0.0465**	0.0500	0	93.0	85	115	02/16/2024
Boron		0.0200		**0.449**	0.5000	0	89.7	85	115	02/16/2024
Cadmium		0.0020		**0.0467**	0.0500	0	93.4	85	115	02/16/2024
Calcium		0.100		**2.32**	2.500	0	92.7	85	115	02/16/2024
Chromium		0.0050		**0.180**	0.2000	0	89.9	85	115	02/16/2024
Cobalt		0.0050		**0.444**	0.5000	0	88.8	85	115	02/16/2024
Copper		0.0050		**0.230**	0.2500	0	92.2	85	115	02/16/2024
Iron		0.0400		**1.81**	2.000	0	90.6	85	115	02/16/2024
Lead		0.0150		**0.450**	0.5000	0	90.0	85	115	02/16/2024
Magnesium		0.0500		**2.14**	2.500	0	85.8	85	115	02/16/2024
Manganese		0.0070		**0.450**	0.5000	0	90.1	85	115	02/16/2024
Molybdenum		0.0100		**0.435**	0.5000	0	87.0	85	115	02/16/2024
Nickel		0.0050		**0.451**	0.5000	0	90.1	85	115	02/16/2024
Potassium		0.100		**2.46**	2.500	0	98.4	85	115	02/16/2024
Selenium		0.0400		**0.450**	0.5000	0	90.1	85	115	02/16/2024
Silver		0.0070		**0.0458**	0.0500	0	91.6	85	115	02/16/2024
Sodium		0.0500		**2.29**	2.500	0	91.7	85	115	02/16/2024
Thallium		0.0500		**0.225**	0.2500	0	90.1	85	115	02/16/2024
Vanadium		0.0100		**0.447**	0.5000	0	89.5	85	115	02/16/2024
Zinc		0.0100		**0.453**	0.5000	0	90.5	85	115	02/16/2024

Batch 218758 **SampType:** MS Units **mg/L**

SampID: 24020991-012DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.896**	1.000	0	89.6	75	125	02/16/2024
Barium		0.0025		**3.55**	4.000	0.2069	83.6	75	125	02/16/2024
Cadmium		0.0020		**0.0907**	0.1000	0.005600	85.1	75	125	02/16/2024
Chromium		0.0050		**0.342**	0.4000	0	85.4	75	125	02/16/2024
Lead		0.0150		**0.842**	1.000	0	84.2	75	125	02/16/2024
Selenium		0.0400		**0.850**	1.000	0	85.0	75	125	02/16/2024
Silver		0.0070		**0.0854**	0.1000	0	85.4	75	125	02/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218758 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24020991-012DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.929**	1.000	0	92.9	0.8958	3.62	02/16/2024
Barium		0.0025		**3.67**	4.000	0.2069	86.6	3.550	3.32	02/16/2024
Cadmium		0.0020		**0.0935**	0.1000	0.005600	87.9	0.09070	3.04	02/16/2024
Chromium		0.0050		**0.354**	0.4000	0	88.5	0.3416	3.59	02/16/2024
Lead		0.0150		**0.875**	1.000	0	87.5	0.8421	3.79	02/16/2024
Selenium		0.0400		**0.878**	1.000	0	87.8	0.8496	3.28	02/16/2024
Silver		0.0070		**0.0883**	0.1000	0	88.3	0.08540	3.34	02/16/2024

Batch 218795 **SampType:** MBLK Units **mg/L**

SampID: MBLK-218795

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	02/26/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	02/26/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	02/26/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/26/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	02/26/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	02/26/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/26/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	02/26/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	02/26/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/26/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218795 **SampType:** LCS Units **mg/L**
SampID: LCS-218795

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.503**	0.5000	0	100.7	85	115	02/26/2024
Barium		0.0025		**1.95**	2.000	0	97.5	85	115	02/26/2024
Cadmium		0.0020		**0.0445**	0.0500	0	89.0	85	115	02/26/2024
Calcium		0.100		**2.55**	2.500	0	102.1	85	115	02/26/2024
Chromium		0.0050		**0.200**	0.2000	0	100.0	85	115	02/26/2024
Lead		0.0150		**0.489**	0.5000	0	97.7	85	115	02/26/2024
Magnesium		0.0500		**2.44**	2.500	0	97.6	85	115	02/26/2024
Potassium		0.100		**2.69**	2.500	0	107.5	85	115	02/26/2024
Selenium		0.0400		**0.484**	0.5000	0	96.9	85	115	02/26/2024
Silver		0.0070		**0.0500**	0.0500	0	100.0	85	115	02/26/2024
Sodium		0.0500		**2.54**	2.500	0	101.5	85	115	02/26/2024

Batch 218795 **SampType:** MS Units **mg/L**
SampID: 24021494-003FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.523**	0.5000	0.01610	101.5	75	125	02/26/2024
Barium		0.0025		**2.18**	2.000	0.3081	93.6	75	125	02/26/2024
Cadmium		0.0020		**0.0422**	0.0500	0	84.4	75	125	02/26/2024
Chromium		0.0050		**0.196**	0.2000	0	98.1	75	125	02/26/2024
Lead		0.0150		**0.470**	0.5000	0	94.0	75	125	02/26/2024
Selenium		0.0400		**0.495**	0.5000	0	98.9	75	125	02/26/2024
Silver		0.0070		**0.0517**	0.0500	0	103.4	75	125	02/26/2024

Batch 218795 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24021494-003FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.528**	0.5000	0.01610	102.3	0.5234	0.80	02/26/2024
Barium		0.0025		**2.16**	2.000	0.3081	92.6	2.180	0.92	02/26/2024
Cadmium		0.0020		**0.0426**	0.0500	0	85.2	0.04220	0.94	02/26/2024
Chromium		0.0050		**0.197**	0.2000	0	98.4	0.1962	0.31	02/26/2024
Lead		0.0150		**0.472**	0.5000	0	94.5	0.4702	0.45	02/26/2024
Selenium		0.0400		**0.505**	0.5000	0	101.0	0.4946	2.12	02/26/2024
Silver		0.0070		**0.0515**	0.0500	0	103.0	0.05170	0.39	02/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218861 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218861

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/19/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	02/19/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/19/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	02/19/2024

Batch 218861 **SampType:** LCS Units **mg/L**
SampID: LCS-218861

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.35**	2.500	0	94.2	85	115	02/19/2024
Magnesium		0.050		**2.14**	2.500	0	85.7	85	115	02/19/2024
Potassium		0.100		**2.42**	2.500	0	96.7	85	115	02/19/2024
Sodium		0.050		**2.40**	2.500	0	96.1	85	115	02/19/2024

Batch 218861 **SampType:** MS Units **mg/L**
SampID: 24020001-086DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**68.8**	2.500	67.17	66.0	75	125	02/19/2024
Magnesium		0.050		**33.0**	2.500	31.06	77.8	75	125	02/19/2024
Potassium		0.100		**3.07**	2.500	0.5319	101.3	75	125	02/19/2024
Sodium		0.050	S	**59.3**	2.500	58.04	51.2	75	125	02/19/2024

Batch 218861 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-086DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**69.2**	2.500	67.17	79.6	68.82	0.49	02/19/2024
Magnesium		0.050		**33.1**	2.500	31.06	79.8	33.01	0.15	02/19/2024
Potassium		0.100		**3.06**	2.500	0.5319	101.3	3.065	0.06	02/19/2024
Sodium		0.050	S	**59.5**	2.500	58.04	58.4	59.32	0.30	02/19/2024

Batch 218862 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218862

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/19/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/19/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/19/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218862 **SampType:** LCS Units **mg/L**
SampID: LCS-218862

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.42**	2.500	0	96.6	85	115	02/19/2024
Magnesium		0.0500		**2.24**	2.500	0	89.4	85	115	02/19/2024
Potassium		0.100		**2.48**	2.500	0	99.1	85	115	02/19/2024
Sodium		0.0500		**2.44**	2.500	0	97.4	85	115	02/19/2024

Batch 218862 **SampType:** MS Units **mg/L**
SampID: 24020001-098DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**81.8**	2.500	80.48	53.2	75	125	02/19/2024
Magnesium		0.050	S	**35.1**	2.500	33.51	62.4	75	125	02/19/2024
Potassium		0.100		**2.94**	2.500	0.4292	100.3	75	125	02/19/2024
Sodium		0.050	S	**61.8**	2.500	60.92	33.2	75	125	02/19/2024

Batch 218862 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-098DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**81.8**	2.500	80.48	54.4	81.81	0.04	02/19/2024
Magnesium		0.050	S	**35.2**	2.500	33.51	67.6	35.07	0.37	02/19/2024
Potassium		0.100		**2.93**	2.500	0.4292	100.1	2.938	0.18	02/19/2024
Sodium		0.050	S	**61.6**	2.500	60.92	27.6	61.75	0.23	02/19/2024

Batch 219032 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219032

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/22/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	02/22/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/22/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	02/22/2024

Batch 219032 **SampType:** LCS Units **mg/L**
SampID: LCS-219032

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.44**	2.500	0	97.7	85	115	02/22/2024
Magnesium		0.050		**2.33**	2.500	0	93.1	85	115	02/22/2024
Potassium		0.100		**2.57**	2.500	0	102.7	85	115	02/22/2024
Sodium		0.050		**2.46**	2.500	0	98.3	85	115	02/22/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218746 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218746

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/15/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/15/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/15/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/15/2024

Batch 218746 **SampType:** LCS Units **mg/L**
SampID: LCS-218746

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.44**	2.500	0	97.6	85	115	02/15/2024
Magnesium		0.0500		**2.46**	2.500	0	98.6	85	115	02/15/2024
Potassium		0.100		**2.53**	2.500	0	101.3	85	115	02/15/2024
Sodium		0.0500		**2.39**	2.500	0	95.4	85	115	02/15/2024

Batch 218746 **SampType:** MS Units **mg/L**
SampID: 24020001-032CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**145**	2.500	143.2	90.4	75	125	02/15/2024
Magnesium		0.050		**56.2**	2.500	53.60	103.3	75	125	02/15/2024
Potassium		0.100		**3.14**	2.500	0.6563	99.4	75	125	02/15/2024
Sodium		0.050	S	**73.5**	2.500	71.89	66.0	75	125	02/15/2024

Batch 218746 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-032CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**145**	2.500	143.2	52.8	145.5	0.65	02/15/2024
Magnesium		0.050	S	**55.3**	2.500	53.60	68.4	56.18	1.57	02/15/2024
Potassium		0.100		**3.10**	2.500	0.6563	97.9	3.142	1.18	02/15/2024
Sodium		0.050	S	**73.6**	2.500	71.89	68.8	73.54	0.10	02/15/2024

Batch 218807 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218807

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/16/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/16/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/16/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218807 **SampType:** LCS Units **mg/L**
SampID: LCS-218807

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	02/16/2024
Magnesium		0.0500		**2.29**	2.500	0	91.7	85	115	02/16/2024
Potassium		0.100		**2.51**	2.500	0	100.4	85	115	02/16/2024
Sodium		0.0500		**2.34**	2.500	0	93.7	85	115	02/16/2024

Batch 218807 **SampType:** MS Units **mg/L**
SampID: 24020001-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**83.3**	2.500	82.90	16.4	75	125	02/16/2024
Magnesium		0.050	S	**37.5**	2.500	35.99	60.2	75	125	02/16/2024
Potassium		0.100		**3.07**	2.500	0.5439	101.1	75	125	02/16/2024
Sodium		0.050	S	**62.4**	2.500	61.82	22.4	75	125	02/16/2024

Batch 218807 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**86.2**	2.500	82.90	131.2	83.31	3.39	02/16/2024
Magnesium		0.050		**39.1**	2.500	35.99	123.7	37.49	4.14	02/16/2024
Potassium		0.100		**3.13**	2.500	0.5439	103.3	3.070	1.80	02/16/2024
Sodium		0.050		**64.3**	2.500	61.82	99.2	62.38	3.03	02/16/2024

Batch 218807 **SampType:** MS Units **mg/L**
SampID: 24020001-060BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**172**	2.500	172.4	1.6	75	125	02/16/2024
Magnesium		0.050	S	**145**	2.500	144.3	39.7	75	125	02/16/2024
Potassium		0.100		**4.53**	2.500	1.975	102.4	75	125	02/16/2024
Sodium		0.050	S	**164**	2.500	163.5	23.6	75	125	02/16/2024

Batch 218807 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-060BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**170**	2.500	172.4	-92.0	172.4	1.37	02/16/2024
Magnesium		0.050	S	**143**	2.500	144.3	-70.1	145.3	1.91	02/16/2024
Potassium		0.100		**4.45**	2.500	1.975	99.0	4.534	1.87	02/16/2024
Sodium		0.050	S	**162**	2.500	163.5	-54.4	164.1	1.20	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218847 **SampType:** MBLK Units **mg/L**
SampID: MBLK-218847

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/19/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	02/19/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/19/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	02/19/2024

Batch 218847 **SampType:** LCS Units **mg/L**
SampID: LCS-218847

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.59**	2.500	0	103.4	85	115	02/19/2024
Magnesium		0.050		**2.45**	2.500	0	98.1	85	115	02/19/2024
Potassium		0.100		**2.78**	2.500	0	111.3	85	115	02/19/2024
Sodium		0.050		**2.71**	2.500	0	108.2	85	115	02/19/2024

Batch 218847 **SampType:** MS Units **mg/L**
SampID: 24020001-015CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**99.9**	2.500	99.30	23.2	75	125	02/19/2024
Magnesium		0.050		**45.6**	2.500	43.53	82.2	75	125	02/19/2024
Potassium		0.100		**3.46**	2.500	0.6384	112.7	75	125	02/19/2024
Sodium		0.050		**43.3**	2.500	41.19	83.2	75	125	02/19/2024

Batch 218847 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-015CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**99.4**	2.500	99.30	4.4	99.88	0.47	02/19/2024
Magnesium		0.050		**45.4**	2.500	43.53	76.0	45.59	0.34	02/19/2024
Potassium		0.100		**3.44**	2.500	0.6384	112.0	3.457	0.57	02/19/2024
Sodium		0.050	S	**42.9**	2.500	41.19	66.8	43.27	0.95	02/19/2024

Batch 218847 **SampType:** MS Units **mg/L**
SampID: 24020001-071BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**146**	2.500	142.9	110.8	75	125	02/19/2024
Magnesium		0.050		**66.8**	2.500	63.69	123.5	75	125	02/19/2024
Potassium		0.100		**3.24**	2.500	0.2952	117.8	75	125	02/19/2024
Sodium		0.050	S	**117**	2.500	113.4	135.6	75	125	02/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218847 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 24020001-071BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**149**	2.500	142.9	238.0	145.6	2.16	02/19/2024
Magnesium		0.050	S	**68.0**	2.500	63.69	172.2	66.77	1.81	02/19/2024
Potassium		0.100		**3.25**	2.500	0.2952	118.2	3.241	0.24	02/19/2024
Sodium		0.050	S	**119**	2.500	113.4	238.0	116.8	2.17	02/19/2024

Batch 218873 **SampType:** MBLK Units **mg/L**

SampID: MBLK-218873

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/20/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/20/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/20/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/20/2024

Batch 218873 **SampType:** LCS Units **mg/L**

SampID: LCS-218873

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.57**	2.500	0	102.8	85	115	02/20/2024
Magnesium		0.0500		**2.46**	2.500	0	98.3	85	115	02/20/2024
Potassium		0.100		**2.57**	2.500	0	103.0	85	115	02/20/2024
Sodium		0.0500		**2.52**	2.500	0	100.9	85	115	02/20/2024

Batch 218955 **SampType:** MBLK Units **mg/L**

SampID: MBLK-218955

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/21/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/21/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/21/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/21/2024

Batch 218955 **SampType:** LCS Units **mg/L**

SampID: LCS-218955

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.50**	2.500	0	100.1	85	115	02/21/2024
Magnesium		0.0500		**2.34**	2.500	0	93.5	85	115	02/21/2024
Potassium		0.100		**2.63**	2.500	0	105.0	85	115	02/21/2024
Sodium		0.0500		**2.50**	2.500	0	100.1	85	115	02/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218955 **SampType:** MS Units **mg/L**
SampID: 24020001-045CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**170**	2.500	167.8	89.6	75	125	02/21/2024
Magnesium		0.050		**86.3**	2.500	84.20	82.2	75	125	02/21/2024
Potassium		0.100		**3.32**	2.500	0.7228	104.0	75	125	02/21/2024
Sodium		0.050		**101**	2.500	98.81	103.2	75	125	02/21/2024

Batch 218955 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-045CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**177**	2.500	167.8	361.2	170.0	3.92	02/21/2024
Magnesium		0.050	S	**89.3**	2.500	84.20	205.7	86.25	3.51	02/21/2024
Potassium		0.100		**3.38**	2.500	0.7228	106.1	3.324	1.54	02/21/2024
Sodium		0.050	S	**106**	2.500	98.81	273.2	101.4	4.11	02/21/2024

Batch 218955 **SampType:** MS Units **mg/L**
SampID: 24020001-100CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**169**	2.500	168.2	45.2	75	125	02/21/2024
Magnesium		0.050		**87.1**	2.500	84.91	86.4	75	125	02/21/2024
Potassium		0.100		**3.27**	2.500	0.5409	109.0	75	125	02/21/2024
Sodium		0.050		**105**	2.500	102.5	111.6	75	125	02/21/2024

Batch 218955 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-100CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**172**	2.500	168.2	142.4	169.3	1.43	02/21/2024
Magnesium		0.050	S	**88.4**	2.500	84.91	139.0	87.07	1.50	02/21/2024
Potassium		0.100		**3.26**	2.500	0.5409	108.6	3.265	0.25	02/21/2024
Sodium		0.050	S	**106**	2.500	102.5	132.8	105.3	0.50	02/21/2024

Batch 219022 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219022

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/22/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	02/22/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/22/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	02/22/2024

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Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219022 **SampType:** LCS Units **mg/L**
SampID: LCS-219022

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.47**	2.500	0	98.6	85	115	02/22/2024
Magnesium		0.050		**2.39**	2.500	0	95.6	85	115	02/22/2024
Potassium		0.100		**2.52**	2.500	0	100.8	85	115	02/22/2024
Sodium		0.050		**2.44**	2.500	0	97.6	85	115	02/22/2024

Batch 219022 **SampType:** MS Units **mg/L**
SampID: 24020001-052CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**550**	2.500	569.3	-758.4	75	125	02/22/2024
Magnesium		0.050	S	**411**	2.500	424.0	-532.9	75	125	02/22/2024
Potassium		0.100		**4.39**	2.500	1.673	108.5	75	125	02/22/2024
Sodium		0.050	S	**232**	2.500	236.7	-198.8	75	125	02/22/2024

Batch 219022 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-052CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**568**	2.500	569.3	-35.2	550.4	3.23	02/22/2024
Magnesium		0.050	S	**429**	2.500	424.0	203.9	410.6	4.39	02/22/2024
Potassium		0.100		**4.48**	2.500	1.673	112.5	4.385	2.23	02/22/2024
Sodium		0.050		**240**	2.500	236.7	122.0	231.7	3.40	02/22/2024

Batch 219022 **SampType:** MS Units **mg/L**
SampID: 24020001-079BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**301**	2.500	284.7	630.8	75	125	02/22/2024
Magnesium		0.050	S	**201**	2.500	189.3	454.5	75	125	02/22/2024
Potassium		0.100		**5.96**	2.500	3.082	115.0	75	125	02/22/2024
Sodium		0.050	S	**90.0**	2.500	82.97	281.6	75	125	02/22/2024

Batch 219022 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-079BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**302**	2.500	284.7	696.0	300.5	0.54	02/22/2024
Magnesium		0.050	S	**202**	2.500	189.3	519.7	200.6	0.81	02/22/2024
Potassium		0.100		**5.88**	2.500	3.082	111.8	5.955	1.33	02/22/2024
Sodium		0.050	S	**89.1**	2.500	82.97	245.6	90.01	1.00	02/22/2024

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Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219043 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219043

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/23/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/23/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/23/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/23/2024

Batch 219043 **SampType:** LCS Units **mg/L**
SampID: LCS-219043

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.49**	2.500	0	99.5	85	115	02/23/2024
Magnesium		0.0500		**2.38**	2.500	0	95.2	85	115	02/23/2024
Potassium		0.100		**2.62**	2.500	0	104.6	85	115	02/23/2024
Sodium		0.0500		**2.49**	2.500	0	99.4	85	115	02/23/2024

Batch 219043 **SampType:** MS Units **mg/L**
SampID: 24020001-097CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.55**	2.500	0	102.1	75	125	02/23/2024
Magnesium		0.050		**2.48**	2.500	0.01490	98.6	75	125	02/23/2024
Potassium		0.100		**2.64**	2.500	0	105.6	75	125	02/23/2024
Sodium		0.050		**2.53**	2.500	0.02920	100.1	75	125	02/23/2024

Batch 219043 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-097CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.43**	2.500	0	97.3	2.552	4.83	02/23/2024
Magnesium		0.050		**2.35**	2.500	0.01490	93.5	2.480	5.27	02/23/2024
Potassium		0.100		**2.54**	2.500	0	101.6	2.641	3.91	02/23/2024
Sodium		0.050		**2.43**	2.500	0.02920	95.9	2.532	4.23	02/23/2024

Batch 219043 **SampType:** MS Units **mg/L**
SampID: 24020001-099CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**91.2**	2.500	86.93	168.8	75	125	02/23/2024
Magnesium		0.050		**41.6**	2.500	38.80	113.4	75	125	02/23/2024
Potassium		0.100		**3.40**	2.500	0.7239	107.2	75	125	02/23/2024
Sodium		0.050	S	**59.5**	2.500	56.20	131.6	75	125	02/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219043 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-099CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**88.4**	2.500	86.93	60.8	91.15	3.01	02/23/2024
Magnesium		0.050	S	**40.3**	2.500	38.80	58.1	41.64	3.38	02/23/2024
Potassium		0.100		**3.29**	2.500	0.7239	102.6	3.403	3.45	02/23/2024
Sodium		0.050	S	**58.0**	2.500	56.20	71.6	59.49	2.55	02/23/2024

Batch 219088 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219088

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/23/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/23/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/23/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/23/2024

Batch 219088 **SampType:** LCS Units **mg/L**
SampID: LCS-219088

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.47**	2.500	0	98.8	85	115	02/23/2024
Magnesium		0.0500		**2.38**	2.500	0	95.2	85	115	02/23/2024
Potassium		0.100		**2.61**	2.500	0	104.3	85	115	02/23/2024
Sodium		0.0500		**2.48**	2.500	0	99.1	85	115	02/23/2024

Batch 219088 **SampType:** MS Units **mg/L**
SampID: 24020001-103CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.81**	2.500	0.1475	106.4	75	125	02/27/2024
Magnesium		0.050		**2.61**	2.500	0.03610	102.9	75	125	02/27/2024
Potassium		0.100		**2.72**	2.500	0	108.6	75	125	02/27/2024
Sodium		0.050		**2.65**	2.500	0.03790	104.5	75	125	02/27/2024

Batch 219088 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-103CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**2.75**	2.500	0.1475	103.9	2.807	2.21	02/27/2024
Magnesium		0.050		**2.57**	2.500	0.03610	101.4	2.608	1.39	02/27/2024
Potassium		0.100		**2.71**	2.500	0	108.3	2.716	0.33	02/27/2024
Sodium		0.050		**2.63**	2.500	0.03790	103.7	2.650	0.68	02/27/2024

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219088 **SampType:** MS Units **mg/L**
SampID: 24021534-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**103**	2.500	97.35	228.8	75	125	02/23/2024
Magnesium		0.0500		**20.6**	2.500	17.98	105.7	75	125	02/23/2024
Potassium		0.500		**13.8**	2.500	11.50	93.9	75	125	02/27/2024
Sodium		0.0500	S	**163**	2.500	156.6	264.4	75	125	02/23/2024

Batch 219088 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24021534-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**103**	2.500	97.35	226.8	103.1	0.05	02/23/2024
Magnesium		0.0500		**20.7**	2.500	17.98	109.2	20.62	0.43	02/23/2024
Potassium		0.500		**13.8**	2.500	11.50	91.6	13.85	0.40	02/27/2024
Sodium		0.0500	S	**162**	2.500	156.6	213.6	163.2	0.78	02/23/2024

Batch 219117 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219117

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/26/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/26/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/26/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/26/2024

Batch 219117 **SampType:** LCS Units **mg/L**
SampID: LCS-219117

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.52**	2.500	0	100.6	85	115	02/26/2024
Magnesium		0.0500		**2.40**	2.500	0	95.9	85	115	02/26/2024
Potassium		0.100		**2.61**	2.500	0	104.2	85	115	02/26/2024
Sodium		0.0500		**2.43**	2.500	0	97.1	85	115	02/26/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219145 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219145

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	02/28/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	02/28/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	02/28/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	02/28/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	02/28/2024

Batch 219145 **SampType:** LCS Units **mg/L**
SampID: LCS-219145

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.54**	2.500	0	101.6	85	115	02/28/2024
Iron		0.0400		**2.09**	2.000	0	104.5	85	115	02/28/2024
Magnesium		0.0500		**2.45**	2.500	0	98.1	85	115	02/28/2024
Potassium		0.100		**2.57**	2.500	0	102.7	85	115	02/28/2024
Sodium		0.0500		**2.57**	2.500	0	102.9	85	115	02/28/2024

Batch 219145 **SampType:** MS Units **mg/L**
SampID: 24020001-083BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.500		**28.0**	2.500	25.70	92.0	75	125	02/29/2024
Magnesium		0.050		**2.34**	2.500	0	93.5	75	125	02/28/2024
Potassium		10.0	S	**270**	2.500	265.0	190.4	75	125	02/29/2024
Sodium		5.00	S	**3920**	2.500	3853	2760	75	125	02/29/2024

Batch 219145 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24020001-083BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.500		**28.0**	2.500	25.70	90.0	28.00	0.18	02/29/2024
Magnesium		0.050		**2.38**	2.500	0	95.2	2.337	1.82	02/28/2024
Potassium		10.0	S	**269**	2.500	265.0	171.6	269.8	0.17	02/29/2024
Sodium		5.00	S	**3910**	2.500	3853	2400	3922	0.23	02/29/2024

Batch 219145 **SampType:** MS Units **mg/L**
SampID: 24021616-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**2.55**	2.000	0.4931	102.8	75	125	02/28/2024
Sodium		0.0500	S	**16.8**	2.500	15.12	65.2	75	125	02/28/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219145 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24021616-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**2.62**	2.000	0.4931	106.3	2.550	2.71	02/28/2024
Sodium		0.0500	S	**16.8**	2.500	15.12	67.6	16.75	0.36	02/28/2024

Batch 219339 **SampType:** MBLK Units **mg/L**
SampID: MBLK-219339

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	03/01/2024
Magnesium		0.0500		**< 0.0500**	0.0070	0	0	-100	100	03/01/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	03/01/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	03/01/2024

Batch 219339 **SampType:** LCS Units **mg/L**
SampID: LCS-219339

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.46**	2.500	0	98.3	85	115	03/01/2024
Magnesium		0.0500		**2.39**	2.500	0	95.6	85	115	03/01/2024
Potassium		0.100		**2.61**	2.500	0	104.5	85	115	03/01/2024
Sodium		0.0500		**2.52**	2.500	0	100.7	85	115	03/01/2024

Batch 219339 **SampType:** MS Units **mg/L**
SampID: 24021482-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**179**	2.500	176.5	107.6	75	125	03/01/2024
Magnesium		0.050		**55.4**	2.500	53.19	86.6	75	125	03/01/2024
Potassium		0.100		**5.17**	2.500	2.583	103.4	75	125	03/01/2024
Sodium		0.050		**40.0**	2.500	37.82	86.8	75	125	03/01/2024

Batch 219339 **SampType:** MSD Units **mg/L** RPD Limit: **20**
SampID: 24021482-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**174**	2.500	176.5	-100.8	179.2	2.95	03/01/2024
Magnesium		0.050	S	**54.1**	2.500	53.19	35.8	55.36	2.32	03/01/2024
Potassium		0.100		**5.05**	2.500	2.583	98.6	5.167	2.33	03/01/2024
Sodium		0.050	S	**38.9**	2.500	37.82	43.2	39.99	2.76	03/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218757 **SampType:** MBLK Units **µg/L**

SampID: MBLK-218757

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/20/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/17/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/17/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/20/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/17/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/19/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/17/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/19/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/17/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	02/19/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/17/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/20/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/17/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/17/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/20/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/17/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	02/17/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/17/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/17/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218757 **SampType:** LCS Units **µg/L**

SampID: LCS-218757

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1810**	2000	0	90.6	80	120	02/21/2024
Antimony		1.0		**449**	500.0	0	89.8	80	120	02/17/2024
Arsenic		1.0		**474**	500.0	0	94.8	80	120	02/17/2024
Barium		1.0		**1970**	2000	0	98.5	80	120	02/21/2024
Beryllium		1.0		**46.5**	50.00	0	93.1	80	120	02/17/2024
Boron		25.0		**470**	500.0	0	94.0	80	120	02/19/2024
Cadmium		1.0		**44.5**	50.00	0	89.0	80	120	02/17/2024
Chromium		1.5		**186**	200.0	0	92.9	80	120	02/19/2024
Cobalt		1.0		**445**	500.0	0	88.9	80	120	02/17/2024
Copper		1.0		**229**	250.0	0	91.7	80	120	02/19/2024
Iron		25.0		**1870**	2000	0	93.7	80	120	02/19/2024
Lead		1.0		**473**	500.0	0	94.6	80	120	02/20/2024
Manganese		2.0		**486**	500.0	0	97.2	80	120	02/19/2024
Molybdenum		1.5		**454**	500.0	0	90.7	80	120	02/19/2024
Nickel		1.0		**499**	500.0	0	99.8	80	120	02/21/2024
Selenium		1.0		**445**	500.0	0	89.1	80	120	02/17/2024
Silver		1.0		**44.9**	50.00	0	89.8	80	120	02/17/2024
Thallium		2.0		**231**	250.0	0	92.3	80	120	02/17/2024
Vanadium		5.0		**466**	500.0	0	93.2	80	120	02/19/2024
Zinc		15.0		**499**	500.0	0	99.8	80	120	02/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218758 **SampType:** MBLK Units **µg/L**

SampID: MBLK-218758

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/20/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/17/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/17/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/20/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/17/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/19/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/17/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/17/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/17/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	02/19/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/17/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/20/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/17/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/17/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/21/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/17/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	02/17/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/17/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/17/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218758 **SampType:** LCS Units **µg/L**

SampID: LCS-218758

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	02/21/2024
Antimony		1.0		**451**	500.0	0	90.1	80	120	02/17/2024
Arsenic		1.0		**485**	500.0	0	96.9	80	120	02/17/2024
Barium		1.0		**1990**	2000	0	99.5	80	120	02/21/2024
Beryllium		1.0		**48.1**	50.00	0	96.1	80	120	02/17/2024
Boron		25.0		**484**	500.0	0	96.8	80	120	02/19/2024
Cadmium		1.0		**45.3**	50.00	0	90.6	80	120	02/17/2024
Chromium		1.5		**187**	200.0	0	93.5	80	120	02/19/2024
Cobalt		1.0		**449**	500.0	0	89.7	80	120	02/17/2024
Copper		1.0		**234**	250.0	0	93.4	80	120	02/19/2024
Iron		25.0		**1870**	2000	0	93.7	80	120	02/19/2024
Lead		1.0		**482**	500.0	0	96.3	80	120	02/20/2024
Manganese		2.0		**493**	500.0	0	98.6	80	120	02/19/2024
Molybdenum		1.5		**427**	500.0	0	85.5	80	120	02/19/2024
Nickel		1.0		**500**	500.0	0	100.0	80	120	02/21/2024
Selenium		1.0		**444**	500.0	0	88.8	80	120	02/17/2024
Silver		1.0		**42.9**	50.00	0	85.7	80	120	02/17/2024
Thallium		2.0		**241**	250.0	0	96.3	80	120	02/17/2024
Vanadium		5.0		**463**	500.0	0	92.6	80	120	02/19/2024
Zinc		15.0		**489**	500.0	0	97.8	80	120	02/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218795 **SampType:** MBLK Units **µg/L**

SampID: MBLK-218795

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/28/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/28/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/28/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/28/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/28/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/28/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/28/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/28/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/28/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	02/28/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/28/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/28/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/28/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/28/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/28/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/28/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	02/28/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/28/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/28/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/28/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218795 **SampType:** LCS Units **µg/L**

SampID: LCS-218795

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1680**	2000	0	84.2	80	120	02/28/2024
Antimony		1.0		**418**	500.0	0	83.6	80	120	02/28/2024
Arsenic		1.0		**487**	500.0	0	97.4	80	120	02/28/2024
Barium		1.0		**1970**	2000	0	98.5	80	120	02/28/2024
Beryllium		1.0		**46.0**	50.00	0	92.1	80	120	02/28/2024
Boron		25.0		**447**	500.0	0	89.4	80	120	02/28/2024
Cadmium		1.0		**45.4**	50.00	0	90.8	80	120	02/28/2024
Chromium		1.5		**179**	200.0	0	89.3	80	120	02/28/2024
Cobalt		1.0		**470**	500.0	0	94.0	80	120	02/28/2024
Copper		1.0		**239**	250.0	0	95.6	80	120	02/28/2024
Iron		25.0		**1780**	2000	0	89.1	80	120	02/28/2024
Lead		1.0		**453**	500.0	0	90.6	80	120	02/28/2024
Manganese		2.0		**464**	500.0	0	92.8	80	120	02/28/2024
Molybdenum		1.5		**439**	500.0	0	87.7	80	120	02/28/2024
Nickel		1.0		**462**	500.0	0	92.5	80	120	02/28/2024
Selenium		1.0		**472**	500.0	0	94.4	80	120	02/28/2024
Silver		1.0		**45.4**	50.00	0	90.7	80	120	02/28/2024
Thallium		2.0		**217**	250.0	0	86.9	80	120	02/28/2024
Vanadium		5.0		**452**	500.0	0	90.4	80	120	02/28/2024
Zinc		15.0		**431**	500.0	0	86.2	80	120	02/28/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218861 **SampType:** MBLK Units **µg/L**

SampID: MBLK-218861

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/22/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/22/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/22/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/22/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/22/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/23/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/22/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/22/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/22/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	02/22/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/22/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/22/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/22/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/22/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/23/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/22/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/23/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	02/22/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	02/22/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/22/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/22/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218861 **SampType:** LCS Units **µg/L**

SampID: LCS-218861

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1770**	2000	0	88.4	80	120	02/23/2024
Antimony		1.0		**467**	500.0	0	93.4	80	120	02/22/2024
Arsenic		1.0		**503**	500.0	0	100.7	80	120	02/22/2024
Barium		1.0		**1940**	2000	0	96.9	80	120	02/22/2024
Beryllium		1.0		**47.3**	50.00	0	94.6	80	120	02/22/2024
Boron		25.0		**485**	500.0	0	97.0	80	120	02/23/2024
Cadmium		1.0		**48.1**	50.00	0	96.3	80	120	02/22/2024
Chromium		1.5		**183**	200.0	0	91.5	80	120	02/23/2024
Cobalt		1.0		**469**	500.0	0	93.7	80	120	02/22/2024
Copper		1.0		**247**	250.0	0	98.7	80	120	02/22/2024
Iron		25.0		**1810**	2000	0	90.3	80	120	02/22/2024
Lead		1.0		**472**	500.0	0	94.3	80	120	02/22/2024
Manganese		2.0		**474**	500.0	0	94.8	80	120	02/22/2024
Molybdenum		1.5		**445**	500.0	0	89.0	80	120	02/22/2024
Nickel		1.0		**467**	500.0	0	93.3	80	120	02/23/2024
Selenium		1.0		**470**	500.0	0	94.0	80	120	02/23/2024
Selenium		1.0		**500**	500.0	0	100.0	80	120	02/22/2024
Silver		1.0		**49.6**	50.00	0	99.2	80	120	02/22/2024
Silver		1.0		**48.2**	50.00	0	96.5	80	120	02/22/2024
Thallium		2.0		**235**	250.0	0	93.8	80	120	02/22/2024
Vanadium		5.0		**470**	500.0	0	93.9	80	120	02/22/2024
Zinc		15.0		**491**	500.0	0	98.3	80	120	02/22/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218861 **SampType:** MS Units **µg/L**

SampID: 24020001-026CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**505**	500.0	0	101.0	75	125	02/23/2024
Arsenic		1.0		**518**	500.0	0	103.6	75	125	02/23/2024
Barium		1.0		**2120**	2000	40.76	104.1	75	125	02/23/2024
Beryllium		1.0		**48.5**	50.00	0	97.1	75	125	02/23/2024
Boron		25.0		**505**	500.0	47.07	91.6	75	125	02/23/2024
Cadmium		1.0		**47.8**	50.00	0	95.5	75	125	02/23/2024
Chromium		1.5		**186**	200.0	1.218	92.6	75	125	02/23/2024
Cobalt		1.0		**454**	500.0	0.1801	90.8	75	125	02/23/2024
Copper		1.0		**234**	250.0	3.274	92.2	75	125	02/23/2024
Iron		25.0		**1870**	2000	22.86	92.4	75	125	02/23/2024
Lead		1.0		**469**	500.0	0	93.8	75	125	02/23/2024
Manganese		2.0		**505**	500.0	29.15	95.1	75	125	02/23/2024
Nickel		1.0		**449**	500.0	3.040	89.1	75	125	02/23/2024
Selenium		1.0		**498**	500.0	1.632	99.2	75	125	02/23/2024
Silver		1.0		**47.3**	50.00	0	94.7	75	125	02/23/2024
Thallium		2.0		**220**	250.0	0	88.1	75	125	02/23/2024
Vanadium		5.0		**475**	500.0	0	95.1	75	125	02/23/2024
Zinc		15.0		**468**	500.0	7.134	92.2	75	125	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218861 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-026CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**514**	500.0	0	102.8	504.8	1.81	02/23/2024
Arsenic		1.0		**523**	500.0	0	104.6	518.0	0.97	02/23/2024
Barium		1.0		**2130**	2000	40.76	104.5	2123	0.36	02/23/2024
Beryllium		1.0		**47.6**	50.00	0	95.1	48.54	2.04	02/23/2024
Boron		25.0		**500**	500.0	47.07	90.5	505.1	1.11	02/23/2024
Cadmium		1.0		**49.1**	50.00	0	98.2	47.76	2.78	02/23/2024
Chromium		1.5		**183**	200.0	1.218	90.7	186.5	2.10	02/23/2024
Cobalt		1.0		**465**	500.0	0.1801	93.0	454.3	2.39	02/23/2024
Copper		1.0		**231**	250.0	3.274	90.9	233.7	1.31	02/23/2024
Iron		25.0		**1870**	2000	22.86	92.2	1870	0.19	02/23/2024
Lead		1.0		**475**	500.0	0	95.1	468.8	1.41	02/23/2024
Manganese		2.0		**492**	500.0	29.15	92.5	504.9	2.67	02/23/2024
Nickel		1.0		**447**	500.0	3.040	88.7	448.6	0.41	02/23/2024
Selenium		1.0		**495**	500.0	1.632	98.8	497.7	0.46	02/23/2024
Silver		1.0		**48.2**	50.00	0	96.4	47.34	1.81	02/23/2024
Thallium		2.0		**224**	250.0	0	89.5	220.3	1.56	02/23/2024
Vanadium		5.0		**466**	500.0	0	93.3	475.4	1.91	02/23/2024
Zinc		15.0		**476**	500.0	7.134	93.8	468.0	1.78	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218861 **SampType:** MS Units **µg/L**

SampID: 24020001-086DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1790**	2000	0	89.7	75	125	02/23/2024
Antimony		1.0		**485**	500.0	0	97.0	75	125	02/23/2024
Arsenic		1.0		**500**	500.0	0	100.0	75	125	02/23/2024
Barium		1.0		**1970**	2000	52.18	96.0	75	125	02/23/2024
Beryllium		1.0		**46.7**	50.00	0	93.4	75	125	02/23/2024
Boron		25.0		**464**	500.0	10.79	90.7	75	125	02/23/2024
Cadmium		1.0		**46.4**	50.00	0	92.9	75	125	02/23/2024
Chromium		1.5		**205**	200.0	1.709	101.7	75	125	02/26/2024
Cobalt		1.0		**437**	500.0	0	87.3	75	125	02/23/2024
Copper		1.0		**226**	250.0	0.5883	90.3	75	125	02/23/2024
Iron		25.0		**2190**	2000	19.44	108.4	75	125	02/26/2024
Lead		1.0		**453**	500.0	0	90.5	75	125	02/23/2024
Manganese		2.0		**465**	500.0	0	93.1	75	125	02/23/2024
Molybdenum		1.5		**505**	500.0	2.344	100.6	75	125	02/26/2024
Nickel		1.0		**447**	500.0	0.6930	89.4	75	125	02/23/2024
Selenium		1.0		**483**	500.0	3.791	95.7	75	125	02/23/2024
Silver		1.0		**47.0**	50.00	0	94.0	75	125	02/23/2024
Thallium		2.0		**216**	250.0	0	86.3	75	125	02/23/2024
Vanadium		5.0		**455**	500.0	0	90.9	75	125	02/23/2024
Zinc		15.0		**477**	500.0	0	95.5	75	125	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218861 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-086DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1990**	2000	0	99.3	1793	10.24	02/23/2024
Antimony		1.0		**498**	500.0	0	99.6	484.9	2.64	02/23/2024
Arsenic		1.0		**529**	500.0	0	105.9	500.2	5.68	02/23/2024
Barium		1.0		**2020**	2000	52.18	98.5	1972	2.50	02/23/2024
Beryllium		1.0		**48.8**	50.00	0	97.7	46.68	4.53	02/23/2024
Boron		25.0		**488**	500.0	10.79	95.4	464.2	4.98	02/23/2024
Cadmium		1.0		**48.0**	50.00	0	95.9	46.43	3.23	02/23/2024
Chromium		1.5		**206**	200.0	1.709	102.0	205.0	0.34	02/26/2024
Cobalt		1.0		**466**	500.0	0	93.1	436.6	6.46	02/23/2024
Copper		1.0		**237**	250.0	0.5883	94.4	226.2	4.45	02/23/2024
Iron		25.0		**2080**	2000	19.44	103.0	2188	5.03	02/26/2024
Lead		1.0		**489**	500.0	0	97.9	452.6	7.81	02/23/2024
Manganese		2.0		**484**	500.0	0	96.7	465.4	3.84	02/23/2024
Molybdenum		1.5		**522**	500.0	2.344	103.9	505.1	3.21	02/26/2024
Nickel		1.0		**463**	500.0	0.6930	92.4	447.5	3.37	02/23/2024
Selenium		1.0		**509**	500.0	3.791	101.0	482.5	5.31	02/23/2024
Silver		1.0		**47.6**	50.00	0	95.1	47.00	1.17	02/23/2024
Thallium		2.0		**220**	250.0	0	88.1	215.8	2.02	02/23/2024
Vanadium		5.0		**471**	500.0	0	94.2	454.7	3.57	02/23/2024
Zinc		15.0		**490**	500.0	0	98.0	477.5	2.61	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218862 **SampType:** MBLK Units **µg/L**

SampID: MBLK-218862

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/23/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/23/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/23/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/23/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/23/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/23/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/23/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/23/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	02/23/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/23/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/23/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/23/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/23/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/23/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/23/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	02/23/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/23/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/23/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218862 **SampType:** LCS Units **µg/L**

SampID: LCS-218862

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1620**	2000	0	81.0	80	120	02/23/2024
Antimony		1.0		**478**	500.0	0	95.5	80	120	02/23/2024
Arsenic		1.0		**504**	500.0	0	100.8	80	120	02/23/2024
Barium		1.0		**2060**	2000	0	103.2	80	120	02/23/2024
Beryllium		1.0		**48.8**	50.00	0	97.7	80	120	02/23/2024
Boron		25.0		**454**	500.0	0	90.8	80	120	02/23/2024
Cadmium		1.0		**47.9**	50.00	0	95.9	80	120	02/23/2024
Chromium		1.5		**195**	200.0	0	97.7	80	120	02/23/2024
Cobalt		1.0		**475**	500.0	0	95.1	80	120	02/23/2024
Copper		1.0		**227**	250.0	0	91.0	80	120	02/23/2024
Iron		25.0		**2100**	2000	0	105.0	80	120	02/26/2024
Lead		1.0		**466**	500.0	0	93.1	80	120	02/23/2024
Manganese		2.0		**485**	500.0	0	97.0	80	120	02/23/2024
Molybdenum		1.5		**440**	500.0	0	88.0	80	120	02/23/2024
Nickel		1.0		**453**	500.0	0	90.6	80	120	02/23/2024
Selenium		1.0		**490**	500.0	0	97.9	80	120	02/23/2024
Silver		1.0		**49.0**	50.00	0	98.0	80	120	02/23/2024
Thallium		2.0		**253**	250.0	0	101.3	80	120	02/23/2024
Vanadium		5.0		**477**	500.0	0	95.3	80	120	02/23/2024
Zinc		15.0		**480**	500.0	0	96.0	80	120	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218862 **SampType:** MS Units **µg/L**

SampID: 24020001-098DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1910**	2000	0	95.5	75	125	02/23/2024
Antimony		1.0		**491**	500.0	0	98.2	75	125	02/23/2024
Arsenic		1.0		**490**	500.0	0.4049	97.9	75	125	02/23/2024
Barium		1.0		**1960**	2000	54.28	95.4	75	125	02/23/2024
Beryllium		1.0		**46.6**	50.00	0	93.2	75	125	02/23/2024
Boron		25.0		**457**	500.0	11.79	89.0	75	125	02/23/2024
Cadmium		1.0		**47.4**	50.00	0	94.7	75	125	02/23/2024
Chromium		1.5		**177**	200.0	1.051	87.9	75	125	02/23/2024
Cobalt		1.0		**433**	500.0	0	86.6	75	125	02/23/2024
Copper		1.0		**219**	250.0	0.8649	87.4	75	125	02/23/2024
Iron		25.0		**2110**	2000	74.24	101.8	75	125	02/26/2024
Iron		25.0		**1840**	2000	40.10	89.8	75	125	02/23/2024
Lead		1.0		**447**	500.0	0	89.4	75	125	02/23/2024
Manganese		2.0		**458**	500.0	1.751	91.2	75	125	02/23/2024
Molybdenum		1.5		**434**	500.0	0	86.9	75	125	02/23/2024
Selenium		1.0		**475**	500.0	2.766	94.4	75	125	02/23/2024
Silver		1.0		**45.2**	50.00	0	90.4	75	125	02/23/2024
Thallium		2.0		**202**	250.0	0	80.7	75	125	02/23/2024
Vanadium		5.0		**447**	500.0	0	89.4	75	125	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218862 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-098DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1850**	2000	0	92.6	1910	3.06	02/23/2024
Antimony		1.0		**490**	500.0	0	98.1	491.0	0.12	02/23/2024
Arsenic		1.0		**509**	500.0	0.4049	101.8	489.7	3.94	02/23/2024
Barium		1.0		**1960**	2000	54.28	95.4	1963	0.02	02/23/2024
Beryllium		1.0		**48.5**	50.00	0	97.0	46.62	3.96	02/23/2024
Boron		25.0		**469**	500.0	11.79	91.4	456.6	2.62	02/23/2024
Cadmium		1.0		**46.3**	50.00	0	92.5	47.36	2.36	02/23/2024
Chromium		1.5		**185**	200.0	1.051	91.9	176.8	4.49	02/23/2024
Cobalt		1.0		**447**	500.0	0	89.4	432.8	3.26	02/23/2024
Copper		1.0		**227**	250.0	0.8649	90.6	219.3	3.59	02/23/2024
Iron		25.0		**1870**	2000	40.10	91.3	1836	1.58	02/23/2024
Iron		25.0		**2090**	2000	74.24	100.8	2110	0.89	02/26/2024
Lead		1.0		**483**	500.0	0	96.6	446.9	7.80	02/23/2024
Manganese		2.0		**471**	500.0	1.751	93.8	457.8	2.82	02/23/2024
Molybdenum		1.5		**451**	500.0	0	90.3	434.4	3.83	02/23/2024
Selenium		1.0		**490**	500.0	2.766	97.4	474.9	3.05	02/23/2024
Silver		1.0		**45.6**	50.00	0	91.1	45.20	0.78	02/23/2024
Thallium		2.0		**217**	250.0	0	86.9	201.8	7.41	02/23/2024
Vanadium		5.0		**463**	500.0	0	92.6	447.2	3.46	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218972 **SampType:** MBLK Units **µg/L**

SampID: MBLK-218972

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/23/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/26/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/23/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/23/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/23/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/23/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/23/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/23/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	02/23/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/23/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/26/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/23/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/23/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/26/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/23/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	02/23/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/23/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/23/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218972 **SampType:** LCS Units **µg/L**

SampID: LCS-218972

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1700**	2000	0	85.1	80	120	02/23/2024
Antimony		1.0		**446**	500.0	0	89.1	80	120	02/26/2024
Arsenic		1.0		**493**	500.0	0	98.6	80	120	02/23/2024
Barium		1.0		**1970**	2000	0	98.3	80	120	02/23/2024
Beryllium		1.0		**43.9**	50.00	0	87.8	80	120	02/23/2024
Boron		25.0		**450**	500.0	0	90.0	80	120	02/23/2024
Cadmium		1.0		**44.4**	50.00	0	88.7	80	120	02/23/2024
Chromium		1.5		**181**	200.0	0	90.3	80	120	02/23/2024
Cobalt		1.0		**460**	500.0	0	92.0	80	120	02/23/2024
Copper		1.0		**234**	250.0	0	93.6	80	120	02/23/2024
Iron		25.0		**1800**	2000	0	89.9	80	120	02/23/2024
Lead		1.0		**480**	500.0	0	95.9	80	120	02/26/2024
Manganese		2.0		**464**	500.0	0	92.9	80	120	02/23/2024
Molybdenum		1.5		**422**	500.0	0	84.5	80	120	02/23/2024
Nickel		1.0		**470**	500.0	0	93.9	80	120	02/26/2024
Selenium		1.0		**497**	500.0	0	99.5	80	120	02/23/2024
Silver		1.0		**42.6**	50.00	0	85.2	80	120	02/23/2024
Thallium		2.0		**225**	250.0	0	90.2	80	120	02/23/2024
Vanadium		5.0		**448**	500.0	0	89.6	80	120	02/23/2024
Zinc		15.0		**508**	500.0	0	101.6	80	120	02/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218972 **SampType:** MS Units **µg/L**

SampID: 24020001-025DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1680**	2000	0	84.0	75	125	02/23/2024
Antimony		1.0		**526**	500.0	0	105.2	75	125	02/26/2024
Arsenic		1.0		**488**	500.0	0	97.5	75	125	02/23/2024
Barium		1.0		**2010**	2000	38.63	98.4	75	125	02/23/2024
Beryllium		1.0		**45.7**	50.00	0	91.5	75	125	02/23/2024
Boron		25.0		**478**	500.0	39.76	87.6	75	125	02/23/2024
Cadmium		1.0		**45.3**	50.00	0	90.6	75	125	02/23/2024
Chromium		1.5		**177**	200.0	0.9569	88.2	75	125	02/23/2024
Cobalt		1.0		**443**	500.0	0	88.6	75	125	02/23/2024
Copper		1.0		**220**	250.0	0.4856	87.9	75	125	02/23/2024
Iron		25.0		**1770**	2000	0	88.6	75	125	02/23/2024
Lead		1.0		**504**	500.0	0	100.7	75	125	02/26/2024
Manganese		2.0		**451**	500.0	0	90.3	75	125	02/23/2024
Nickel		1.0		**459**	500.0	0	91.7	75	125	02/26/2024
Selenium		1.0		**484**	500.0	1.833	96.5	75	125	02/23/2024
Silver		1.0		**42.3**	50.00	0	84.6	75	125	02/23/2024
Thallium		2.0		**221**	250.0	0	88.4	75	125	02/23/2024
Vanadium		5.0		**448**	500.0	0	89.6	75	125	02/23/2024
Zinc		15.0		**513**	500.0	0	102.5	75	125	02/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218972 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-025DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1690**	2000	0	84.3	1679	0.41	02/23/2024
Antimony		1.0		**505**	500.0	0	100.9	526.0	4.15	02/26/2024
Arsenic		1.0		**484**	500.0	0	96.8	487.6	0.76	02/23/2024
Barium		1.0		**1990**	2000	38.63	97.5	2006	0.91	02/23/2024
Beryllium		1.0		**44.7**	50.00	0	89.4	45.74	2.29	02/23/2024
Boron		25.0		**477**	500.0	39.76	87.4	477.6	0.17	02/23/2024
Cadmium		1.0		**43.5**	50.00	0	87.0	45.29	3.99	02/23/2024
Chromium		1.5		**178**	200.0	0.9569	88.6	177.4	0.41	02/23/2024
Cobalt		1.0		**443**	500.0	0	88.6	442.8	0.03	02/23/2024
Copper		1.0		**221**	250.0	0.4856	88.0	220.3	0.09	02/23/2024
Iron		25.0		**1770**	2000	0	88.7	1771	0.17	02/23/2024
Lead		1.0		**499**	500.0	0	99.7	503.6	0.97	02/26/2024
Manganese		2.0		**454**	500.0	0	90.8	451.3	0.59	02/23/2024
Nickel		1.0		**456**	500.0	0	91.2	458.7	0.62	02/26/2024
Selenium		1.0		**483**	500.0	1.833	96.3	484.2	0.15	02/23/2024
Silver		1.0		**41.5**	50.00	0	83.1	42.29	1.81	02/23/2024
Thallium		2.0		**219**	250.0	0	87.5	220.9	0.96	02/23/2024
Vanadium		5.0		**450**	500.0	0	90.1	447.8	0.57	02/23/2024
Zinc		15.0		**502**	500.0	0	100.4	512.5	2.05	02/26/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219032 **SampType:** MBLK Units **µg/L**

SampID: MBLK-219032

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/24/2024
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/24/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/24/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/24/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/24/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/24/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/24/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/24/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/24/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/24/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/24/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/24/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/26/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/24/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/24/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/24/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/24/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	02/24/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	02/24/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/27/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/24/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/24/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/24/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/24/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/24/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/24/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/24/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/24/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/24/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/24/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	02/24/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	02/24/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/24/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/24/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/24/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/24/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219032 **SampType:** MBLK Units **µg/L**

SampID: MBLK-219032

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/24/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/24/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219032 **SampType:** LCS Units **µg/L**

SampID: LCS-219032

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1760**	2000	0	88.1	80	120	02/24/2024
Aluminum		25.0		**1760**	2000	0	88.1	80	120	02/24/2024
Antimony		1.0		**446**	500.0	0	89.3	80	120	02/24/2024
Antimony		1.0		**446**	500.0	0	89.3	80	120	02/24/2024
Arsenic		1.0		**476**	500.0	0	95.1	80	120	02/24/2024
Arsenic		1.0		**476**	500.0	0	95.1	80	120	02/24/2024
Barium		1.0		**1870**	2000	0	93.6	80	120	02/24/2024
Barium		1.0		**1870**	2000	0	93.6	80	120	02/24/2024
Beryllium		1.0		**45.1**	50.00	0	90.2	80	120	02/24/2024
Beryllium		1.0		**45.1**	50.00	0	90.2	80	120	02/24/2024
Boron		25.0		**428**	500.0	0	85.7	80	120	02/24/2024
Boron		25.0		**428**	500.0	0	85.7	80	120	02/24/2024
Cadmium		1.0		**49.1**	50.00	0	98.1	80	120	02/26/2024
Chromium		1.5		**175**	200.0	0	87.3	80	120	02/24/2024
Chromium		1.5		**175**	200.0	0	87.3	80	120	02/24/2024
Cobalt		1.0		**431**	500.0	0	86.2	80	120	02/24/2024
Cobalt		1.0		**431**	500.0	0	86.2	80	120	02/24/2024
Copper		1.0		**225**	250.0	0	90.1	80	120	02/24/2024
Copper		1.0		**225**	250.0	0	90.1	80	120	02/24/2024
Iron		25.0		**2200**	2000	0	109.9	80	120	02/26/2024
Lead		1.0		**437**	500.0	0	87.4	80	120	02/24/2024
Lead		1.0		**437**	500.0	0	87.4	80	120	02/24/2024
Manganese		2.0		**453**	500.0	0	90.7	80	120	02/24/2024
Manganese		2.0		**453**	500.0	0	90.7	80	120	02/24/2024
Molybdenum		1.5		**415**	500.0	0	83.0	80	120	02/24/2024
Molybdenum		1.5		**415**	500.0	0	83.0	80	120	02/24/2024
Nickel		1.0		**441**	500.0	0	88.1	80	120	02/24/2024
Nickel		1.0		**441**	500.0	0	88.1	80	120	02/24/2024
Selenium		1.0		**467**	500.0	0	93.3	80	120	02/24/2024
Selenium		1.0		**467**	500.0	0	93.3	80	120	02/24/2024
Silver		1.0		**45.6**	50.00	0	91.3	80	120	02/24/2024
Silver		1.0		**45.6**	50.00	0	91.3	80	120	02/24/2024
Thallium		2.0		**217**	250.0	0	86.8	80	120	02/24/2024
Thallium		2.0		**217**	250.0	0	86.8	80	120	02/24/2024
Vanadium		5.0		**437**	500.0	0	87.4	80	120	02/24/2024
Vanadium		5.0		**437**	500.0	0	87.4	80	120	02/24/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219032 **SampType:** LCS Units **µg/L**

SampID: LCS-219032

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Zinc		15.0		**462**	500.0	0	92.4	80	120	02/24/2024
Zinc		15.0		**462**	500.0	0	92.4	80	120	02/24/2024

Batch 219032 **SampType:** MS Units **µg/L**

SampID: 24020001-052DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1850**	2000	0	92.5	75	125	02/24/2024
Antimony		1.0		**459**	500.0	0	91.8	75	125	02/24/2024
Arsenic		1.0		**510**	500.0	0.9669	101.8	75	125	02/24/2024
Barium		1.0		**1880**	2000	32.16	92.2	75	125	02/24/2024
Beryllium		1.0		**46.9**	50.00	0	93.7	75	125	02/24/2024
Boron		25.0		**4190**	500.0	3757	87.0	75	125	02/26/2024
Cadmium		1.0		**49.1**	50.00	0.2298	97.8	75	125	02/26/2024
Chromium		1.5		**167**	200.0	0.7953	82.9	75	125	02/24/2024
Cobalt		1.0		**424**	500.0	0.1729	84.9	75	125	02/24/2024
Copper		1.0		**215**	250.0	0.9127	85.7	75	125	02/24/2024
Iron		25.0		**1990**	2000	23.60	98.3	75	125	02/26/2024
Lead		1.0		**441**	500.0	0	88.1	75	125	02/24/2024
Manganese		2.0		**642**	500.0	195.0	89.4	75	125	02/24/2024
Molybdenum		1.5		**438**	500.0	0	87.6	75	125	02/24/2024
Nickel		1.0		**430**	500.0	7.514	84.6	75	125	02/24/2024
Selenium		1.0		**469**	500.0	1.789	93.5	75	125	02/24/2024
Silver		1.0	S	**11.5**	50.00	0	23.1	75	125	02/24/2024
Thallium		2.0		**220**	250.0	0	87.9	75	125	02/24/2024
Vanadium		5.0		**438**	500.0	0	87.6	75	125	02/24/2024
Zinc		15.0		**451**	500.0	0	90.1	75	125	02/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219032 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-052DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1760**	2000	0	88.1	1849	4.81	02/24/2024
Antimony		1.0		**471**	500.0	0	94.1	459.0	2.50	02/24/2024
Arsenic		1.0		**492**	500.0	0.9669	98.2	509.8	3.52	02/24/2024
Barium		1.0		**1880**	2000	32.16	92.2	1875	0.01	02/24/2024
Beryllium		1.0		**46.7**	50.00	0	93.3	46.87	0.46	02/24/2024
Boron		25.0		**4140**	500.0	3757	75.8	4193	1.36	02/26/2024
Cadmium		1.0		**47.8**	50.00	0.2298	95.2	49.13	2.65	02/26/2024
Chromium		1.5		**172**	200.0	0.7953	85.8	166.6	3.43	02/24/2024
Cobalt		1.0		**423**	500.0	0.1729	84.5	424.5	0.39	02/24/2024
Copper		1.0		**212**	250.0	0.9127	84.5	215.1	1.38	02/24/2024
Iron		25.0		**1960**	2000	23.60	96.9	1989	1.42	02/26/2024
Lead		1.0		**444**	500.0	0	88.9	440.7	0.84	02/24/2024
Manganese		2.0		**641**	500.0	195.0	89.2	641.9	0.13	02/24/2024
Molybdenum		1.5		**412**	500.0	0	82.3	438.1	6.23	02/24/2024
Nickel		1.0		**434**	500.0	7.514	85.2	430.4	0.72	02/24/2024
Selenium		1.0		**463**	500.0	1.789	92.2	469.2	1.39	02/24/2024
Silver		1.0	SR	**19.8**	50.00	0	39.7	11.54	52.86	02/24/2024
Thallium		2.0		**221**	250.0	0	88.4	219.7	0.54	02/24/2024
Vanadium		5.0		**436**	500.0	0	87.2	437.9	0.38	02/24/2024
Zinc		15.0		**428**	500.0	0	85.7	450.7	5.08	02/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219032 **SampType:** MS Units **µg/L**

SampID: 24020001-087DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1800**	2000	36.13	88.1	75	125	02/24/2024
Antimony		1.0		**460**	500.0	0	92.0	75	125	02/24/2024
Arsenic		1.0		**490**	500.0	0.4123	98.0	75	125	02/24/2024
Barium		1.0		**1830**	2000	51.65	88.9	75	125	02/24/2024
Beryllium		1.0		**47.2**	50.00	0	94.4	75	125	02/24/2024
Boron		25.0		**783**	500.0	331.4	90.3	75	125	02/24/2024
Cadmium		1.0		**49.4**	50.00	0.2548	98.2	75	125	02/27/2024
Chromium		1.5		**170**	200.0	1.146	84.6	75	125	02/24/2024
Cobalt		1.0		**419**	500.0	0.5539	83.7	75	125	02/24/2024
Copper		1.0		**218**	250.0	0.6777	86.9	75	125	02/24/2024
Iron		25.0		**2130**	2000	156.1	98.7	75	125	02/27/2024
Lead		1.0		**453**	500.0	0	90.7	75	125	02/24/2024
Manganese		2.0		**1020**	500.0	568.2	90.9	75	125	02/24/2024
Molybdenum		1.5		**415**	500.0	0.9292	82.7	75	125	02/24/2024
Nickel		1.0		**436**	500.0	2.470	86.7	75	125	03/01/2024
Selenium		1.0		**461**	500.0	3.405	91.6	75	125	02/24/2024
Silver		1.0		**43.2**	50.00	0	86.4	75	125	02/24/2024
Thallium		2.0		**238**	250.0	0	95.1	75	125	02/27/2024
Vanadium		5.0		**438**	500.0	0	87.6	75	125	02/24/2024
Zinc		15.0		**457**	500.0	0	91.5	75	125	02/24/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219032 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-087DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1930**	2000	36.13	94.8	1799	7.12	02/24/2024
Antimony		1.0		**464**	500.0	0	92.8	460.1	0.86	02/24/2024
Arsenic		1.0		**477**	500.0	0.4123	95.2	490.4	2.84	02/24/2024
Barium		1.0		**1880**	2000	51.65	91.6	1830	2.90	02/24/2024
Beryllium		1.0		**46.2**	50.00	0	92.4	47.22	2.21	02/24/2024
Boron		25.0		**780**	500.0	331.4	89.8	782.9	0.32	02/24/2024
Cadmium		1.0		**48.1**	50.00	0.2548	95.8	49.36	2.49	02/27/2024
Chromium		1.5		**170**	200.0	1.146	84.2	170.3	0.38	02/24/2024
Cobalt		1.0		**420**	500.0	0.5539	83.9	419.0	0.27	02/24/2024
Copper		1.0		**215**	250.0	0.6777	85.8	218.0	1.34	02/24/2024
Iron		25.0		**2050**	2000	156.1	94.8	2129	3.66	02/27/2024
Lead		1.0		**441**	500.0	0	88.1	453.3	2.87	02/24/2024
Manganese		2.0		**1000**	500.0	568.2	87.3	1023	1.79	02/24/2024
Molybdenum		1.5		**415**	500.0	0.9292	82.8	414.6	0.03	02/24/2024
Nickel		1.0		**457**	500.0	2.470	90.9	435.8	4.72	03/01/2024
Selenium		1.0		**450**	500.0	3.405	89.3	461.4	2.49	02/24/2024
Silver		1.0		**46.3**	50.00	0	92.6	43.18	7.00	02/24/2024
Thallium		2.0		**241**	250.0	0	96.3	237.8	1.21	02/27/2024
Vanadium		5.0		**426**	500.0	0	85.3	437.8	2.64	02/24/2024
Zinc		15.0		**471**	500.0	0	94.1	457.3	2.86	02/24/2024

Batch 219817 **SampType:** MBLK Units **µg/L**

SampID: MBLK-219817

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	03/13/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	03/13/2024

Batch 219817 **SampType:** LCS Units **µg/L**

SampID: LCS-219817

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nickel		1.0		**458**	500.0	0	91.7	80	120	03/13/2024
Zinc		15.0		**424**	500.0	0	84.8	80	120	03/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch R343697 **SampType:** MS Units µg/L
SampID: 24020001-098DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Zinc		15.0	S	**612**	500.0	3841	-645.8	75	125	02/28/2024

Batch R343697 **SampType:** MSD Units µg/L RPD Limit: **20**
SampID: 24020001-098DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Zinc		15.0	S	**562**	500.0	3841	-655.7	611.9	8.42	02/28/2024

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

Batch 218746 **SampType:** MBLK Units µg/L
SampID: MBLK-218746

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/16/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/16/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/16/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/20/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/16/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/19/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/16/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/19/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/16/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	02/19/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/19/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/20/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	02/16/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/16/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/16/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/22/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/16/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	02/16/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	02/16/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/16/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/19/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218746 **SampType:** LCS Units **µg/L**

SampID: LCS-218746

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2240**	2000	0	112.0	80	120	02/21/2024
Antimony		1.0		**518**	500.0	0	103.6	80	120	02/16/2024
Arsenic		1.0		**525**	500.0	0	105.0	80	120	02/16/2024
Barium		1.0		**2190**	2000	0	109.3	80	120	02/21/2024
Beryllium		1.0		**52.5**	50.00	0	104.9	80	120	02/16/2024
Boron		25.0		**524**	500.0	0	104.9	80	120	02/19/2024
Cadmium		1.0		**50.2**	50.00	0	100.4	80	120	02/16/2024
Chromium		1.5		**208**	200.0	0	103.8	80	120	02/19/2024
Cobalt		1.0		**501**	500.0	0	100.3	80	120	02/16/2024
Copper		1.0		**260**	250.0	0	104.0	80	120	02/19/2024
Iron		25.0		**2180**	2000	0	108.9	80	120	02/19/2024
Lead		1.0		**543**	500.0	0	108.6	80	120	02/20/2024
Lithium	*	3.0		**510**	500.0	0	102.0	80	120	02/16/2024
Manganese		2.0		**540**	500.0	0	108.0	80	120	02/19/2024
Molybdenum		1.5		**494**	500.0	0	98.8	80	120	02/19/2024
Nickel		1.0		**549**	500.0	0	109.8	80	120	02/21/2024
Selenium		1.0		**498**	500.0	0	99.6	80	120	02/16/2024
Silver		1.0		**51.0**	50.00	0	102.0	80	120	02/16/2024
Silver		1.0		**51.7**	50.00	0	103.3	80	120	02/16/2024
Thallium		2.0		**266**	250.0	0	106.4	80	120	02/19/2024
Vanadium		5.0		**512**	500.0	0	102.4	80	120	02/19/2024
Zinc		15.0		**542**	500.0	0	108.5	80	120	02/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218746 **SampType:** MS Units **µg/L**

SampID: 24020001-032CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2550**	2000	462.8	104.4	75	125	02/21/2024
Antimony		1.0		**499**	500.0	0.6628	99.7	75	125	02/16/2024
Arsenic		1.0		**530**	500.0	1.304	105.8	75	125	02/16/2024
Barium		1.0		**2130**	2000	70.23	102.8	75	125	02/21/2024
Beryllium		1.0		**53.3**	50.00	0	106.5	75	125	02/16/2024
Boron		25.0		**544**	500.0	30.00	102.8	75	125	02/19/2024
Cadmium		1.0		**48.5**	50.00	0	97.0	75	125	02/16/2024
Chromium		1.5		**192**	200.0	1.348	95.1	75	125	02/19/2024
Cobalt		1.0		**486**	500.0	0.2830	97.1	75	125	02/16/2024
Copper		1.0		**232**	250.0	2.479	91.9	75	125	02/19/2024
Iron		25.0		**3520**	2000	1452	103.4	75	125	02/19/2024
Lead		1.0		**506**	500.0	0	101.2	75	125	02/20/2024
Lithium	*	3.0		**504**	500.0	5.150	99.8	75	125	02/16/2024
Manganese		2.0		**794**	500.0	311.2	96.5	75	125	02/19/2024
Molybdenum		1.5		**481**	500.0	3.115	95.6	75	125	02/19/2024
Nickel		1.0		**505**	500.0	2.636	100.6	75	125	02/21/2024
Selenium		1.0		**484**	500.0	0	96.7	75	125	02/16/2024
Silver		1.0		**60.2**	50.00	0	120.3	75	125	02/16/2024
Thallium		2.0		**233**	250.0	0	93.4	75	125	02/22/2024
Vanadium		5.0		**486**	500.0	0	97.2	75	125	02/19/2024
Zinc		15.0		**527**	500.0	21.62	101.0	75	125	02/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218746 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-032CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2520**	2000	462.8	102.7	2551	1.37	02/21/2024
Antimony		1.0		**519**	500.0	0.6628	103.7	499.0	3.92	02/16/2024
Arsenic		1.0		**538**	500.0	1.304	107.4	530.4	1.45	02/16/2024
Barium		1.0		**2210**	2000	70.23	107.2	2127	4.07	02/21/2024
Beryllium		1.0		**53.8**	50.00	0	107.6	53.26	0.97	02/16/2024
Boron		25.0		**528**	500.0	30.00	99.7	543.9	2.90	02/19/2024
Cadmium		1.0		**49.9**	50.00	0	99.9	48.50	2.90	02/16/2024
Chromium		1.5		**203**	200.0	1.348	100.9	191.6	5.82	02/19/2024
Cobalt		1.0		**501**	500.0	0.2830	100.2	485.8	3.13	02/16/2024
Copper		1.0		**250**	250.0	2.479	98.9	232.3	7.21	02/19/2024
Iron		25.0		**3430**	2000	1452	98.9	3519	2.59	02/19/2024
Lead		1.0		**541**	500.0	0	108.2	506.2	6.63	02/20/2024
Lithium	*	3.0		**515**	500.0	5.150	102.0	504.3	2.09	02/16/2024
Manganese		2.0		**837**	500.0	311.2	105.2	793.8	5.31	02/19/2024
Molybdenum		1.5		**504**	500.0	3.115	100.2	481.4	4.59	02/19/2024
Nickel		1.0		**522**	500.0	2.636	103.9	505.4	3.24	02/21/2024
Selenium		1.0		**491**	500.0	0	98.3	483.7	1.54	02/16/2024
Silver		1.0		**49.7**	50.00	0	99.4	60.15	19.03	02/16/2024
Thallium		2.0		**251**	250.0	0	100.2	233.5	7.05	02/22/2024
Vanadium		5.0		**514**	500.0	0	102.9	485.8	5.69	02/19/2024
Zinc		15.0		**547**	500.0	21.62	105.0	526.8	3.72	02/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218807 **SampType:** MBLK Units **µg/L**

SampID: MBLK-218807

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/21/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/21/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/21/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/21/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/21/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/19/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/21/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/19/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/21/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	02/19/2024
Iron		75.0		**< 75.0**	11.50	0	0	-100	100	02/19/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/21/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/19/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/19/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/19/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	02/21/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/19/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/19/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218807 **SampType:** LCS Units **µg/L**

SampID: LCS-218807

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2270**	2000	0	113.4	80	120	02/21/2024
Antimony		1.0		**556**	500.0	0	111.2	80	120	02/22/2024
Arsenic		1.0		**600**	500.0	0	120.0	80	120	02/22/2024
Arsenic		1.0	S	**604**	500.0	0	120.9	80	120	02/21/2024
Barium		1.0		**2250**	2000	0	112.3	80	120	02/21/2024
Beryllium		1.0		**54.7**	50.00	0	109.4	80	120	02/21/2024
Boron		25.0		**542**	500.0	0	108.3	80	120	02/19/2024
Cadmium		1.0		**57.0**	50.00	0	114.0	80	120	02/21/2024
Chromium		1.5		**212**	200.0	0	106.1	80	120	02/19/2024
Cobalt		1.0		**555**	500.0	0	110.9	80	120	02/21/2024
Iron		25.0		**2130**	2000	0	106.3	80	120	02/19/2024
Lead		1.0	S	**704**	500.0	0	140.9	80	120	02/21/2024
Manganese		2.0		**554**	500.0	0	110.7	80	120	02/19/2024
Molybdenum		1.5		**509**	500.0	0	101.9	80	120	02/19/2024
Selenium		1.0		**578**	500.0	0	115.5	80	120	02/21/2024
Silver		1.0		**57.0**	50.00	0	114.1	80	120	02/21/2024
Thallium		2.0		**258**	250.0	0	103.4	80	120	02/19/2024
Vanadium		5.0		**529**	500.0	0	105.7	80	120	02/19/2024
Zinc		15.0	S	**7740**	500.0	0	1548	80	120	02/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218807 **SampType:** MS Units **µg/L**

SampID: 24020001-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2490**	2000	382.6	105.2	75	125	02/21/2024
Antimony		1.0		**556**	500.0	0	111.3	75	125	02/22/2024
Arsenic		1.0		**581**	500.0	0	116.2	75	125	02/21/2024
Barium		1.0		**2250**	2000	65.43	109.1	75	125	02/21/2024
Beryllium		1.0		**56.5**	50.00	0	113.1	75	125	02/21/2024
Boron		25.0		**570**	500.0	10.47	111.9	75	125	02/19/2024
Cadmium		1.0		**55.5**	50.00	0	111.0	75	125	02/21/2024
Chromium		1.5		**208**	200.0	2.523	102.5	75	125	02/19/2024
Cobalt		1.0		**516**	500.0	0	103.1	75	125	02/21/2024
Copper		1.0		**243**	250.0	0.8241	96.7	75	125	02/19/2024
Iron		25.0		**2550**	2000	375.2	108.6	75	125	02/19/2024
Lead		1.0		**555**	500.0	0	111.0	75	125	02/21/2024
Manganese		2.0		**544**	500.0	16.46	105.5	75	125	02/19/2024
Molybdenum		1.5		**487**	500.0	0	97.4	75	125	02/19/2024
Selenium		1.0		**562**	500.0	3.144	111.8	75	125	02/21/2024
Silver		1.0		**54.0**	50.00	0	108.0	75	125	02/21/2024
Thallium		2.0		**249**	250.0	0	99.4	75	125	02/19/2024
Vanadium		5.0		**518**	500.0	0	103.5	75	125	02/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218807 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2520**	2000	382.6	107.0	2487	1.39	02/21/2024
Antimony		1.0		**563**	500.0	0	112.6	556.4	1.19	02/22/2024
Arsenic		1.0		**577**	500.0	0	115.5	580.8	0.60	02/21/2024
Barium		1.0		**2290**	2000	65.43	111.1	2248	1.71	02/21/2024
Beryllium		1.0		**55.1**	50.00	0	110.3	56.54	2.49	02/21/2024
Boron		25.0		**532**	500.0	10.47	104.3	570.2	6.95	02/19/2024
Cadmium		1.0		**56.2**	50.00	0	112.5	55.50	1.33	02/21/2024
Chromium		1.5		**208**	200.0	2.523	102.9	207.6	0.33	02/19/2024
Cobalt		1.0		**506**	500.0	0	101.2	515.7	1.89	02/21/2024
Copper		1.0		**252**	250.0	0.8241	100.5	242.6	3.85	02/19/2024
Iron		25.0		**2430**	2000	375.2	102.6	2548	4.86	02/19/2024
Lead		1.0		**553**	500.0	0	110.5	555.1	0.43	02/21/2024
Manganese		2.0		**546**	500.0	16.46	106.0	543.9	0.43	02/19/2024
Molybdenum		1.5		**485**	500.0	0	96.9	487.1	0.53	02/19/2024
Selenium		1.0		**566**	500.0	3.144	112.6	562.3	0.72	02/21/2024
Silver		1.0		**57.6**	50.00	0	115.1	54.00	6.39	02/21/2024
Thallium		2.0		**272**	250.0	0	109.0	248.5	9.18	02/19/2024
Vanadium		5.0		**520**	500.0	0	104.0	517.6	0.44	02/19/2024

Batch 218847 **SampType:** MBLK Units **µg/L**

SampID: MBLK-218847

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	02/21/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/21/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/21/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/21/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/21/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/22/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/21/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	02/21/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/21/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/21/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/21/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	02/21/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/21/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/21/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218847 **SampType:** LCS Units **µg/L**
SampID: LCS-218847

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**527**	500.0	0	105.4	80	120	02/21/2024
Arsenic		1.0		**560**	500.0	0	112.1	80	120	02/21/2024
Barium		1.0		**2080**	2000	0	104.1	80	120	02/21/2024
Beryllium		1.0		**51.2**	50.00	0	102.5	80	120	02/21/2024
Cadmium		1.0		**52.6**	50.00	0	105.2	80	120	02/21/2024
Cobalt		1.0		**515**	500.0	0	103.0	80	120	02/21/2024
Lithium	*	3.0		**491**	500.0	0	98.2	80	120	02/21/2024
Manganese		2.0		**513**	500.0	0	102.5	80	120	02/21/2024
Molybdenum		1.5		**483**	500.0	0	96.5	80	120	02/21/2024
Selenium		1.0		**551**	500.0	0	110.1	80	120	02/21/2024
Silver		1.0		**51.7**	50.00	0	103.4	80	120	02/21/2024
Thallium		2.0		**225**	250.0	0	90.0	80	120	02/22/2024
Vanadium		5.0		**501**	500.0	0	100.2	80	120	02/22/2024

Batch 218847 **SampType:** MS Units **µg/L**
SampID: 24020001-071BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**534**	500.0	0	106.8	75	125	02/22/2024
Arsenic		1.0		**542**	500.0	0	108.3	75	125	02/22/2024
Barium		1.0		**2080**	2000	17.53	103.1	75	125	02/22/2024
Cadmium		1.0		**52.8**	50.00	0	105.6	75	125	02/22/2024
Molybdenum		1.5		**493**	500.0	0	98.7	75	125	02/22/2024
Selenium		1.0		**526**	500.0	0	105.2	75	125	02/22/2024

Batch 218847 **SampType:** MSD Units **µg/L** RPD Limit: **20**
SampID: 24020001-071BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**517**	500.0	0	103.5	534.0	3.16	02/22/2024
Arsenic		1.0		**540**	500.0	0	108.0	541.7	0.27	02/22/2024
Barium		1.0		**2030**	2000	17.53	100.4	2079	2.60	02/22/2024
Cadmium		1.0		**50.1**	50.00	0	100.3	52.80	5.19	02/22/2024
Molybdenum		1.5		**467**	500.0	0	93.5	493.5	5.45	02/22/2024
Selenium		1.0		**536**	500.0	0	107.2	525.9	1.86	02/22/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218873 **SampType:** MBLK Units **µg/L**
SampID: MBLK-218873

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	S	**1.1**	0.4500	0	240.4	-100	100	02/20/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/20/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/20/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/20/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/20/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/20/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/20/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/20/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/20/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	02/20/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/20/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/20/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/20/2024

Batch 218873 **SampType:** LCS Units **µg/L**
SampID: LCS-218873

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	B	**509**	500.0	0	101.8	80	120	02/20/2024
Arsenic		1.0		**523**	500.0	0	104.6	80	120	02/20/2024
Barium		1.0		**2190**	2000	0	109.3	80	120	02/20/2024
Beryllium		1.0		**53.8**	50.00	0	107.5	80	120	02/20/2024
Boron		25.0		**509**	500.0	0	101.7	80	120	02/20/2024
Cadmium		1.0		**50.0**	50.00	0	99.9	80	120	02/20/2024
Chromium		1.5		**193**	200.0	0	96.4	80	120	02/20/2024
Cobalt		1.0		**493**	500.0	0	98.6	80	120	02/20/2024
Lead		1.0		**518**	500.0	0	103.6	80	120	02/20/2024
Lithium	*	3.0		**505**	500.0	0	101.0	80	120	02/20/2024
Molybdenum		1.5		**452**	500.0	0	90.4	80	120	02/20/2024
Selenium		1.0		**508**	500.0	0	101.6	80	120	02/20/2024
Thallium		2.0		**233**	250.0	0	93.1	80	120	02/20/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218955 **SampType:** MBLK Units **µg/L**

SampID: MBLK-218955

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/23/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/23/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/23/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/23/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/23/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/23/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/23/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/23/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	02/26/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/23/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/23/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	02/23/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/23/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/26/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/23/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/26/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	02/23/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/23/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/23/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218955 **SampType:** LCS Units **µg/L**

SampID: LCS-218955

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1790**	2000	0	89.6	80	120	02/23/2024
Antimony		1.0		**494**	500.0	0	98.8	80	120	02/23/2024
Arsenic		1.0		**523**	500.0	0	104.5	80	120	02/23/2024
Barium		1.0		**2160**	2000	0	107.8	80	120	02/23/2024
Beryllium		1.0		**46.6**	50.00	0	93.2	80	120	02/23/2024
Boron		25.0		**454**	500.0	0	90.7	80	120	02/23/2024
Cadmium		1.0		**48.5**	50.00	0	96.9	80	120	02/23/2024
Chromium		1.5		**194**	200.0	0	96.8	80	120	02/23/2024
Cobalt		1.0		**486**	500.0	0	97.2	80	120	02/23/2024
Copper		1.0		**256**	250.0	0	102.5	80	120	02/26/2024
Iron		25.0		**1920**	2000	0	96.2	80	120	02/23/2024
Lead		1.0		**497**	500.0	0	99.4	80	120	02/23/2024
Lithium	*	3.0		**441**	500.0	0	88.2	80	120	02/23/2024
Manganese		2.0		**497**	500.0	0	99.4	80	120	02/23/2024
Nickel		1.0		**486**	500.0	0	97.2	80	120	02/23/2024
Nickel		1.0		**500**	500.0	0	100.0	80	120	02/26/2024
Selenium		1.0		**558**	500.0	0	111.6	80	120	02/26/2024
Silver		1.0		**45.8**	50.00	0	91.7	80	120	02/23/2024
Thallium		2.0		**232**	250.0	0	92.8	80	120	02/23/2024
Vanadium		5.0		**481**	500.0	0	96.2	80	120	02/23/2024
Zinc		15.0		**449**	500.0	0	89.7	80	120	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218955 **SampType:** MS Units **µg/L**

SampID: 24020001-045CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2640**	2000	637.0	100.2	75	125	02/27/2024
Antimony		1.0		**496**	500.0	1.065	99.0	75	125	02/23/2024
Arsenic		1.0		**546**	500.0	2.045	108.8	75	125	02/23/2024
Barium		1.0		**2220**	2000	59.15	108.2	75	125	02/23/2024
Beryllium		1.0		**48.9**	50.00	0	97.7	75	125	02/23/2024
Boron		25.0		**545**	500.0	92.48	90.5	75	125	02/23/2024
Cadmium		1.0		**48.0**	50.00	0	96.1	75	125	02/23/2024
Chromium		1.5		**195**	200.0	3.788	95.5	75	125	02/23/2024
Cobalt		1.0		**479**	500.0	0.9776	95.6	75	125	02/23/2024
Copper		1.0		**255**	250.0	1.669	101.5	75	125	02/27/2024
Iron		25.0		**3220**	2000	1066	107.8	75	125	02/27/2024
Lead		1.0		**510**	500.0	1.185	101.8	75	125	02/23/2024
Lithium	*	3.0		**464**	500.0	8.465	91.1	75	125	02/23/2024
Manganese		2.0		**661**	500.0	227.8	86.6	75	125	02/23/2024
Molybdenum		1.5		**509**	500.0	0.7531	101.7	75	125	02/27/2024
Nickel		1.0		**472**	500.0	4.004	93.6	75	125	02/23/2024
Selenium		1.0		**523**	500.0	0	104.6	75	125	02/27/2024
Silver		1.0		**44.7**	50.00	0	89.3	75	125	02/23/2024
Thallium		2.0		**246**	250.0	0	98.5	75	125	02/23/2024
Vanadium		5.0		**497**	500.0	3.550	98.6	75	125	02/23/2024
Zinc		15.0		**449**	500.0	7.383	88.2	75	125	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218955 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-045CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2590**	2000	637.0	97.7	2641	1.95	02/27/2024
Antimony		1.0		**493**	500.0	1.065	98.4	496.0	0.64	02/23/2024
Arsenic		1.0		**530**	500.0	2.045	105.5	546.1	3.07	02/23/2024
Barium		1.0		**2170**	2000	59.15	105.8	2223	2.21	02/23/2024
Beryllium		1.0		**47.6**	50.00	0	95.3	48.85	2.49	02/23/2024
Boron		25.0		**537**	500.0	92.48	88.9	544.8	1.46	02/23/2024
Cadmium		1.0		**47.4**	50.00	0	94.9	48.03	1.23	02/23/2024
Chromium		1.5		**191**	200.0	3.788	93.7	194.7	1.81	02/23/2024
Cobalt		1.0		**469**	500.0	0.9776	93.6	479.0	2.09	02/23/2024
Copper		1.0		**255**	250.0	1.669	101.3	255.4	0.14	02/27/2024
Iron		25.0		**3260**	2000	1066	110.0	3221	1.36	02/27/2024
Lead		1.0		**501**	500.0	1.185	99.9	510.1	1.90	02/23/2024
Lithium	*	3.0		**456**	500.0	8.465	89.6	464.1	1.68	02/23/2024
Manganese		2.0		**649**	500.0	227.8	84.2	660.9	1.83	02/23/2024
Molybdenum		1.5		**512**	500.0	0.7531	102.2	509.1	0.53	02/27/2024
Nickel		1.0		**462**	500.0	4.004	91.5	472.0	2.22	02/23/2024
Selenium		1.0		**531**	500.0	0	106.1	522.9	1.47	02/27/2024
Silver		1.0		**44.1**	50.00	0	88.3	44.66	1.16	02/23/2024
Thallium		2.0		**240**	250.0	0	95.8	246.3	2.74	02/23/2024
Vanadium		5.0		**487**	500.0	3.550	96.7	496.6	1.98	02/23/2024
Zinc		15.0		**435**	500.0	7.383	85.4	448.6	3.18	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218955 **SampType:** MS Units **µg/L**

SampID: 24020001-100CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1940**	2000	226.9	85.9	75	125	02/23/2024
Antimony		1.0		**506**	500.0	0.7802	101.0	75	125	02/23/2024
Arsenic		1.0		**553**	500.0	0.8503	110.5	75	125	02/23/2024
Barium		1.0		**2210**	2000	46.88	107.9	75	125	02/23/2024
Beryllium		1.0		**49.1**	50.00	0	98.2	75	125	02/23/2024
Boron		25.0		**560**	500.0	129.3	86.1	75	125	02/23/2024
Cadmium		1.0		**48.6**	50.00	0	97.2	75	125	02/23/2024
Chromium		1.5		**193**	200.0	2.478	95.4	75	125	02/23/2024
Cobalt		1.0		**500**	500.0	0.1752	99.9	75	125	02/27/2024
Cobalt		1.0		**476**	500.0	0.2522	95.1	75	125	02/23/2024
Iron		25.0		**2200**	2000	330.7	93.3	75	125	02/23/2024
Lead		1.0		**512**	500.0	0	102.4	75	125	02/23/2024
Lithium	*	3.0		**456**	500.0	7.805	89.6	75	125	02/23/2024
Manganese		2.0		**556**	500.0	94.88	92.3	75	125	02/23/2024
Molybdenum		1.5		**512**	500.0	0.8201	102.3	75	125	02/27/2024
Nickel		1.0		**470**	500.0	2.170	93.5	75	125	02/23/2024
Selenium		1.0		**534**	500.0	0	106.8	75	125	02/27/2024
Silver		1.0		**45.1**	50.00	0	90.2	75	125	02/23/2024
Thallium		2.0		**242**	250.0	0	97.0	75	125	02/23/2024
Vanadium		5.0		**494**	500.0	0	98.9	75	125	02/23/2024
Zinc		15.0		**528**	500.0	0	105.6	75	125	02/27/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 218955 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-100CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1860**	2000	226.9	81.7	1944	4.35	02/23/2024
Antimony		1.0		**499**	500.0	0.7802	99.6	505.8	1.44	02/23/2024
Arsenic		1.0		**538**	500.0	0.8503	107.4	553.4	2.84	02/23/2024
Barium		1.0		**2160**	2000	46.88	105.9	2206	1.88	02/23/2024
Beryllium		1.0		**46.4**	50.00	0	92.9	49.12	5.61	02/23/2024
Boron		25.0		**532**	500.0	129.3	80.6	559.6	4.99	02/23/2024
Cadmium		1.0		**48.0**	50.00	0	96.0	48.60	1.20	02/23/2024
Chromium		1.5		**186**	200.0	2.478	91.9	193.2	3.64	02/23/2024
Cobalt		1.0		**499**	500.0	0.1752	99.8	499.7	0.10	02/27/2024
Cobalt		1.0		**463**	500.0	0.2522	92.6	475.5	2.62	02/23/2024
Iron		25.0		**2120**	2000	330.7	89.4	2196	3.56	02/23/2024
Lead		1.0		**495**	500.0	0	99.0	512.1	3.37	02/23/2024
Lithium	*	3.0		**441**	500.0	7.805	86.7	455.8	3.27	02/23/2024
Manganese		2.0		**536**	500.0	94.88	88.3	556.2	3.61	02/23/2024
Molybdenum		1.5		**519**	500.0	0.8201	103.6	512.2	1.31	02/27/2024
Nickel		1.0		**453**	500.0	2.170	90.2	469.9	3.61	02/23/2024
Selenium		1.0		**525**	500.0	0	105.0	534.2	1.77	02/27/2024
Silver		1.0		**44.5**	50.00	0	89.1	45.08	1.18	02/23/2024
Thallium		2.0		**235**	250.0	0	94.1	242.5	2.99	02/23/2024
Vanadium		5.0		**477**	500.0	0	95.4	494.3	3.58	02/23/2024
Zinc		15.0		**519**	500.0	0	103.9	528.1	1.69	02/27/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219022 **SampType:** MBLK Units **µg/L**

SampID: MBLK-219022

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/23/2024
Antimony		1.0	S	**1.2**	0.4500	0	266.6	-100	100	02/27/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/28/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/23/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/23/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/23/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/27/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/23/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/23/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	02/23/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/23/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/23/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	02/23/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/23/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/27/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/23/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/27/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	02/23/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/23/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/23/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/27/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219022 **SampType:** LCS Units **µg/L**

SampID: LCS-219022

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1800**	2000	0	90.2	80	120	02/23/2024
Antimony		1.0	B	**549**	500.0	0	109.8	80	120	02/27/2024
Arsenic		1.0		**532**	500.0	0	106.4	80	120	02/23/2024
Barium		1.0		**2170**	2000	0	108.6	80	120	02/23/2024
Beryllium		1.0		**49.4**	50.00	0	98.9	80	120	02/23/2024
Boron		25.0		**535**	500.0	0	107.1	80	120	02/27/2024
Cadmium		1.0		**48.8**	50.00	0	97.5	80	120	02/23/2024
Chromium		1.5		**197**	200.0	0	98.4	80	120	02/23/2024
Cobalt		1.0		**480**	500.0	0	96.0	80	120	02/23/2024
Copper		1.0		**248**	250.0	0	99.2	80	120	02/23/2024
Iron		25.0		**1930**	2000	0	96.4	80	120	02/23/2024
Lead		1.0		**499**	500.0	0	99.9	80	120	02/23/2024
Lithium	*	3.0		**456**	500.0	0	91.2	80	120	02/23/2024
Manganese		2.0		**497**	500.0	0	99.3	80	120	02/23/2024
Molybdenum		1.5		**493**	500.0	0	98.5	80	120	02/27/2024
Nickel		1.0		**484**	500.0	0	96.7	80	120	02/23/2024
Selenium		1.0		**525**	500.0	0	105.0	80	120	02/27/2024
Silver		1.0		**45.9**	50.00	0	91.8	80	120	02/23/2024
Thallium		2.0		**237**	250.0	0	94.6	80	120	02/23/2024
Vanadium		5.0		**491**	500.0	0	98.3	80	120	02/23/2024
Zinc		15.0		**535**	500.0	0	106.9	80	120	02/27/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219022 **SampType:** MS Units **µg/L**

SampID: 24020001-052CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2030**	2000	195.4	91.9	75	125	02/23/2024
Antimony		1.0	B	**539**	500.0	0	107.7	75	125	02/27/2024
Arsenic		1.0		**560**	500.0	0.8986	111.8	75	125	02/23/2024
Barium		1.0		**2320**	2000	36.03	114.1	75	125	02/23/2024
Beryllium		1.0		**47.3**	50.00	0	94.7	75	125	02/23/2024
Boron		25.0		**4070**	500.0	3555	103.6	75	125	02/27/2024
Cadmium		1.0		**49.1**	50.00	0.2132	97.8	75	125	02/23/2024
Chromium		1.5		**194**	200.0	1.487	96.3	75	125	02/23/2024
Cobalt		1.0		**479**	500.0	0.1900	95.8	75	125	02/23/2024
Copper		1.0		**233**	250.0	1.757	92.3	75	125	02/23/2024
Iron		25.0		**2190**	2000	214.4	98.7	75	125	02/23/2024
Lead		1.0		**529**	500.0	0	105.9	75	125	02/23/2024
Lithium	*	3.0		**479**	500.0	14.11	92.9	75	125	02/23/2024
Manganese		2.0		**599**	500.0	122.8	95.2	75	125	02/23/2024
Molybdenum		1.5		**526**	500.0	0.6103	105.0	75	125	02/27/2024
Nickel		1.0		**471**	500.0	10.15	92.2	75	125	02/23/2024
Selenium		1.0		**534**	500.0	1.083	106.6	75	125	02/27/2024
Silver		1.0		**44.7**	50.00	0	89.4	75	125	02/23/2024
Thallium		2.0		**257**	250.0	0	102.7	75	125	02/23/2024
Vanadium		5.0		**503**	500.0	0	100.6	75	125	02/23/2024
Zinc		15.0		**504**	500.0	6.333	99.5	75	125	02/27/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219022 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-052CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2020**	2000	195.4	91.0	2033	0.87	02/23/2024
Antimony		1.0	B	**564**	500.0	0	112.7	538.6	4.56	02/27/2024
Arsenic		1.0		**548**	500.0	0.8986	109.5	560.1	2.14	02/23/2024
Barium		1.0		**2230**	2000	36.03	109.5	2318	4.05	02/23/2024
Beryllium		1.0		**46.2**	50.00	0	92.3	47.35	2.55	02/23/2024
Boron		25.0		**4150**	500.0	3555	118.3	4074	1.79	02/27/2024
Cadmium		1.0		**46.6**	50.00	0.2132	92.8	49.11	5.25	02/23/2024
Chromium		1.5		**189**	200.0	1.487	93.6	194.2	2.90	02/23/2024
Cobalt		1.0		**472**	500.0	0.1900	94.4	479.0	1.44	02/23/2024
Copper		1.0		**226**	250.0	1.757	89.7	232.6	2.84	02/23/2024
Iron		25.0		**2150**	2000	214.4	96.8	2189	1.72	02/23/2024
Lead		1.0		**516**	500.0	0	103.1	529.3	2.64	02/23/2024
Lithium	*	3.0		**448**	500.0	14.11	86.8	478.7	6.60	02/23/2024
Manganese		2.0		**590**	500.0	122.8	93.4	598.5	1.45	02/23/2024
Molybdenum		1.5		**551**	500.0	0.6103	110.2	525.7	4.77	02/27/2024
Nickel		1.0		**459**	500.0	10.15	89.8	471.0	2.54	02/23/2024
Selenium		1.0		**549**	500.0	1.083	109.5	534.3	2.64	02/27/2024
Silver		1.0		**42.7**	50.00	0	85.5	44.70	4.51	02/23/2024
Thallium		2.0		**252**	250.0	0	100.7	256.8	1.95	02/23/2024
Vanadium		5.0		**492**	500.0	0	98.4	503.1	2.23	02/23/2024
Zinc		15.0		**507**	500.0	6.333	100.1	503.8	0.63	02/27/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219022 **SampType:** MS Units **µg/L**

SampID: 24020001-079BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	B	**560**	500.0	0	112.0	75	125	02/27/2024
Arsenic		1.0		**564**	500.0	0	112.9	75	125	02/24/2024
Barium		1.0		**2280**	2000	11.82	113.4	75	125	02/24/2024
Beryllium		1.0		**46.8**	50.00	0	93.6	75	125	02/24/2024
Boron		25.0		**613**	500.0	94.90	103.6	75	125	02/27/2024
Cadmium		1.0		**49.2**	50.00	0	98.4	75	125	02/24/2024
Chromium		1.5		**196**	200.0	1.774	97.2	75	125	02/24/2024
Cobalt		1.0		**479**	500.0	0.4253	95.8	75	125	02/24/2024
Lead		1.0		**513**	500.0	0	102.7	75	125	02/24/2024
Lithium	*	3.0		**477**	500.0	36.01	88.3	75	125	02/24/2024
Molybdenum		1.5		**535**	500.0	1.363	106.8	75	125	02/27/2024
Selenium		1.0		**545**	500.0	0	109.0	75	125	02/27/2024
Thallium		2.0		**247**	250.0	0	98.8	75	125	02/24/2024

Batch 219022 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-079BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0	B	**556**	500.0	0	111.1	560.0	0.77	02/27/2024
Arsenic		1.0		**548**	500.0	0	109.7	564.4	2.86	02/24/2024
Barium		1.0		**2170**	2000	11.82	108.1	2279	4.72	02/24/2024
Beryllium		1.0		**45.6**	50.00	0	91.2	46.80	2.60	02/24/2024
Boron		25.0		**605**	500.0	94.90	101.9	612.9	1.35	02/27/2024
Cadmium		1.0		**46.8**	50.00	0	93.5	49.18	5.05	02/24/2024
Chromium		1.5		**192**	200.0	1.774	94.9	196.3	2.42	02/24/2024
Cobalt		1.0		**473**	500.0	0.4253	94.5	479.3	1.38	02/24/2024
Lead		1.0		**507**	500.0	0	101.3	513.5	1.35	02/24/2024
Lithium	*	3.0		**462**	500.0	36.01	85.1	477.5	3.38	02/24/2024
Molybdenum		1.5		**528**	500.0	1.363	105.3	535.5	1.47	02/27/2024
Selenium		1.0		**531**	500.0	0	106.2	544.9	2.57	02/27/2024
Thallium		2.0		**242**	250.0	0	96.9	247.1	2.00	02/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219043 **SampType:** MBLK Units **µg/L**

SampID: MBLK-219043

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/23/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/23/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/23/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/23/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/23/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/23/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/23/2024
Calcium		125		**< 125**	70.00	0	0	-100	100	02/26/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/23/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/23/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	02/23/2024
Iron		25.0	S	**65.7**	11.50	0	571.1	-100	100	02/26/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/23/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	02/23/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/23/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/23/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/23/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/23/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	02/23/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/23/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/23/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219043 **SampType:** LCS Units **µg/L**

SampID: LCS-219043

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1810**	2000	0	90.7	80	120	02/23/2024
Antimony		1.0		**492**	500.0	0	98.5	80	120	02/23/2024
Arsenic		1.0		**507**	500.0	0	101.3	80	120	02/23/2024
Barium		1.0		**1930**	2000	0	96.7	80	120	02/23/2024
Beryllium		1.0		**46.5**	50.00	0	92.9	80	120	02/23/2024
Boron		25.0		**457**	500.0	0	91.5	80	120	02/23/2024
Cadmium		1.0		**46.7**	50.00	0	93.5	80	120	02/23/2024
Calcium		125		**2750**	2500	0	109.8	80	120	02/26/2024
Chromium		1.5		**183**	200.0	0	91.5	80	120	02/23/2024
Cobalt		1.0		**460**	500.0	0	92.1	80	120	02/23/2024
Copper		1.0		**238**	250.0	0	95.4	80	120	02/23/2024
Iron		25.0	B	**2200**	2000	0	110.1	80	120	02/26/2024
Lead		1.0		**466**	500.0	0	93.3	80	120	02/23/2024
Lithium	*	3.0		**436**	500.0	0	87.2	80	120	02/23/2024
Manganese		2.0		**469**	500.0	0	93.8	80	120	02/23/2024
Molybdenum		1.5		**446**	500.0	0	89.2	80	120	02/23/2024
Nickel		1.0		**462**	500.0	0	92.5	80	120	02/23/2024
Selenium		1.0		**495**	500.0	0	99.1	80	120	02/23/2024
Silver		1.0		**48.8**	50.00	0	97.6	80	120	02/23/2024
Vanadium		5.0		**461**	500.0	0	92.2	80	120	02/23/2024
Zinc		15.0		**480**	500.0	0	96.0	80	120	02/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219043 **SampType:** MS Units **µg/L**

SampID: 24020001-060BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**501**	500.0	0	100.2	75	125	02/23/2024
Arsenic		1.0		**516**	500.0	1.193	103.0	75	125	02/23/2024
Barium		1.0		**1950**	2000	15.56	96.6	75	125	02/23/2024
Beryllium		1.0		**48.4**	50.00	0	96.9	75	125	02/23/2024
Boron		25.0		**2820**	500.0	2278	107.3	75	125	02/27/2024
Cadmium		1.0		**47.1**	50.00	0	94.1	75	125	02/23/2024
Chromium		1.5		**181**	200.0	0	90.3	75	125	02/23/2024
Cobalt		1.0		**444**	500.0	1.078	88.5	75	125	02/23/2024
Lead		1.0		**515**	500.0	0	103.0	75	125	02/27/2024
Lithium	*	3.0		**482**	500.0	28.84	90.6	75	125	02/23/2024
Molybdenum		1.5		**443**	500.0	1.932	88.2	75	125	02/23/2024
Selenium		1.0		**483**	500.0	0	96.6	75	125	02/23/2024
Thallium		2.0		**259**	250.0	0	103.6	75	125	02/26/2024

Batch 219043 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-060BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**513**	500.0	0	102.6	501.0	2.33	02/23/2024
Arsenic		1.0		**512**	500.0	1.193	102.2	516.3	0.82	02/23/2024
Barium		1.0		**1980**	2000	15.56	98.0	1948	1.40	02/23/2024
Beryllium		1.0		**49.4**	50.00	0	98.7	48.43	1.91	02/23/2024
Boron		25.0	S	**3290**	500.0	2278	201.6	2815	15.45	02/27/2024
Cadmium		1.0		**48.7**	50.00	0	97.5	47.06	3.51	02/23/2024
Chromium		1.5		**181**	200.0	0	90.7	180.6	0.43	02/23/2024
Cobalt		1.0		**447**	500.0	1.078	89.1	443.6	0.70	02/23/2024
Lead		1.0		**593**	500.0	0	118.6	515.2	14.00	02/27/2024
Lithium	*	3.0		**489**	500.0	28.84	92.1	482.0	1.53	02/23/2024
Molybdenum		1.5		**452**	500.0	1.932	90.1	442.9	2.12	02/23/2024
Selenium		1.0		**490**	500.0	0	98.1	483.2	1.45	02/23/2024
Thallium		2.0		**250**	250.0	0	99.8	259.0	3.70	02/26/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219043 **SampType:** MS Units **µg/L**

SampID: 24020001-097CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1830**	2000	26.37	90.3	75	125	02/23/2024
Antimony		1.0		**490**	500.0	0.6745	98.0	75	125	02/23/2024
Arsenic		1.0		**527**	500.0	1.060	105.2	75	125	02/23/2024
Barium		1.0		**1920**	2000	2.540	96.0	75	125	02/23/2024
Beryllium		1.0		**49.3**	50.00	0	98.5	75	125	02/23/2024
Boron		25.0		**510**	500.0	15.39	98.9	75	125	02/23/2024
Cadmium		1.0		**49.5**	50.00	0.4602	98.1	75	125	02/23/2024
Chromium		1.5		**191**	200.0	1.870	94.8	75	125	02/23/2024
Cobalt		1.0		**477**	500.0	0.5194	95.3	75	125	02/23/2024
Copper		1.0		**246**	250.0	2.057	97.8	75	125	02/23/2024
Iron		25.0	B	**2220**	2000	15.19	110.0	75	125	02/26/2024
Lithium	*	3.0		**471**	500.0	0	94.3	75	125	02/23/2024
Manganese		2.0		**483**	500.0	1.282	96.3	75	125	02/23/2024
Molybdenum		1.5		**470**	500.0	0.8724	93.8	75	125	02/23/2024
Selenium		1.0		**502**	500.0	0	100.5	75	125	02/23/2024
Silver		1.0		**48.6**	50.00	0.1068	97.0	75	125	02/23/2024
Thallium		2.0		**237**	250.0	1.200	94.3	75	125	02/26/2024
Vanadium		5.0		**472**	500.0	0	94.4	75	125	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch **219043** **SampType:** **MSD** Units **µg/L** RPD Limit: **20**

SampID: 24020001-097CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1820**	2000	26.37	89.5	1832	0.87	02/23/2024
Antimony		1.0		**496**	500.0	0.6745	99.1	490.5	1.12	02/23/2024
Arsenic		1.0		**523**	500.0	1.060	104.3	527.2	0.88	02/23/2024
Barium		1.0		**1960**	2000	2.540	97.7	1923	1.74	02/23/2024
Beryllium		1.0		**49.5**	50.00	0	99.0	49.26	0.47	02/23/2024
Boron		25.0		**475**	500.0	15.39	91.9	509.7	7.11	02/23/2024
Cadmium		1.0		**47.5**	50.00	0.4602	94.1	49.50	4.13	02/23/2024
Chromium		1.5		**185**	200.0	1.870	91.5	191.4	3.48	02/23/2024
Cobalt		1.0		**471**	500.0	0.5194	94.0	477.1	1.37	02/23/2024
Copper		1.0		**245**	250.0	2.057	97.3	246.5	0.53	02/23/2024
Iron		25.0	B	**2090**	2000	15.19	103.7	2215	5.87	02/26/2024
Lithium	*	3.0		**463**	500.0	0	92.5	471.4	1.89	02/23/2024
Manganese		2.0		**481**	500.0	1.282	96.0	483.0	0.38	02/23/2024
Molybdenum		1.5		**454**	500.0	0.8724	90.7	470.1	3.42	02/23/2024
Selenium		1.0		**505**	500.0	0	101.1	502.5	0.60	02/23/2024
Silver		1.0		**49.0**	50.00	0.1068	97.8	48.62	0.83	02/23/2024
Thallium		2.0		**240**	250.0	1.200	95.3	237.0	1.09	02/26/2024
Vanadium		5.0		**466**	500.0	0	93.2	472.1	1.33	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219043 **SampType:** MS Units **µg/L**

SampID: 24020001-099CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2610**	2000	622.2	99.5	75	125	02/24/2024
Antimony		1.0		**554**	500.0	0.7012	110.7	75	125	02/24/2024
Arsenic		1.0		**578**	500.0	0.9453	115.5	75	125	02/24/2024
Barium		1.0		**2200**	2000	56.51	107.1	75	125	02/24/2024
Beryllium		1.0		**54.6**	50.00	0	109.2	75	125	02/24/2024
Boron		25.0		**522**	500.0	0	104.3	75	125	02/24/2024
Cadmium		1.0		**53.4**	50.00	0	106.8	75	125	02/24/2024
Chromium		1.5		**206**	200.0	2.144	101.9	75	125	02/26/2024
Cobalt		1.0		**505**	500.0	0.6345	100.8	75	125	02/24/2024
Copper		1.0		**261**	250.0	1.091	103.8	75	125	02/26/2024
Iron		25.0	B	**2790**	2000	804.0	99.2	75	125	02/26/2024
Lead		1.0		**548**	500.0	1.124	109.4	75	125	02/24/2024
Lithium	*	3.0		**501**	500.0	5.982	99.1	75	125	02/24/2024
Manganese		2.0		**645**	500.0	173.6	94.3	75	125	02/24/2024
Molybdenum		1.5		**488**	500.0	0.6175	97.5	75	125	02/24/2024
Nickel		1.0		**503**	500.0	1.369	100.3	75	125	02/24/2024
Selenium		1.0		**529**	500.0	2.047	105.4	75	125	02/26/2024
Silver		1.0		**50.6**	50.00	0	101.2	75	125	02/24/2024
Thallium		2.0		**252**	250.0	0	100.8	75	125	02/26/2024
Vanadium		5.0		**515**	500.0	0	102.9	75	125	02/24/2024
Zinc		15.0		**533**	500.0	7.417	105.1	75	125	02/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch **219043** **SampType:** **MSD** Units **µg/L** RPD Limit: **20**

SampID: 24020001-099CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2350**	2000	622.2	86.5	2613	10.50	02/24/2024
Antimony		1.0		**476**	500.0	0.7012	95.0	554.0	15.24	02/24/2024
Arsenic		1.0		**515**	500.0	0.9453	102.8	578.3	11.60	02/24/2024
Barium		1.0		**1930**	2000	56.51	93.7	2199	12.98	02/24/2024
Beryllium		1.0		**47.8**	50.00	0	95.6	54.59	13.31	02/24/2024
Boron		25.0		**457**	500.0	0	91.4	521.6	13.26	02/24/2024
Cadmium		1.0		**46.1**	50.00	0	92.2	53.40	14.71	02/24/2024
Chromium		1.5		**206**	200.0	2.144	102.0	206.0	0.05	02/26/2024
Cobalt		1.0		**437**	500.0	0.6345	87.3	504.7	14.30	02/24/2024
Copper		1.0		**252**	250.0	1.091	100.5	260.6	3.21	02/26/2024
Iron		25.0	B	**2960**	2000	804.0	107.6	2788	5.85	02/26/2024
Lead		1.0		**466**	500.0	1.124	92.9	548.1	16.26	02/24/2024
Lithium	*	3.0		**442**	500.0	5.982	87.2	501.2	12.58	02/24/2024
Manganese		2.0		**581**	500.0	173.6	81.5	644.9	10.38	02/24/2024
Molybdenum		1.5		**444**	500.0	0.6175	88.7	488.1	9.46	02/24/2024
Nickel		1.0		**470**	500.0	1.369	93.6	502.7	6.81	02/24/2024
Selenium		1.0		**524**	500.0	2.047	104.5	528.9	0.86	02/26/2024
Silver		1.0		**48.1**	50.00	0	96.1	50.58	5.10	02/24/2024
Thallium		2.0		**258**	250.0	0	103.3	252.0	2.49	02/26/2024
Vanadium		5.0		**464**	500.0	0	92.8	514.6	10.31	02/24/2024
Zinc		15.0		**473**	500.0	7.417	93.2	533.1	11.89	02/24/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219088 **SampType:** MBLK Units **µg/L**

SampID: MBLK-219088

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/23/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	02/23/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/23/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	02/23/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	02/23/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/23/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	02/23/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	02/23/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	02/23/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	02/23/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	02/23/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/23/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	02/23/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	02/23/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/23/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/23/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/23/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	02/23/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/23/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	02/23/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219088 **SampType:** LCS Units **µg/L**

SampID: LCS-219088

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1870**	2000	0	93.4	80	120	02/23/2024
Antimony		1.0		**493**	500.0	0	98.7	80	120	02/23/2024
Arsenic		1.0		**508**	500.0	0	101.7	80	120	02/23/2024
Barium		1.0		**1970**	2000	0	98.3	80	120	02/23/2024
Beryllium		1.0		**46.8**	50.00	0	93.5	80	120	02/23/2024
Boron		25.0		**447**	500.0	0	89.4	80	120	02/23/2024
Cadmium		1.0		**47.8**	50.00	0	95.6	80	120	02/23/2024
Chromium		1.5		**180**	200.0	0	90.1	80	120	02/23/2024
Cobalt		1.0		**460**	500.0	0	92.0	80	120	02/23/2024
Copper		1.0		**236**	250.0	0	94.5	80	120	02/23/2024
Iron		25.0		**1860**	2000	0	92.8	80	120	02/23/2024
Lead		1.0		**483**	500.0	0	96.6	80	120	02/23/2024
Lithium	*	3.0		**442**	500.0	0	88.5	80	120	02/23/2024
Manganese		2.0		**470**	500.0	0	94.1	80	120	02/23/2024
Molybdenum		1.5		**451**	500.0	0	90.3	80	120	02/23/2024
Nickel		1.0		**454**	500.0	0	90.7	80	120	02/23/2024
Selenium		1.0		**501**	500.0	0	100.3	80	120	02/23/2024
Silver		1.0		**47.0**	50.00	0	94.1	80	120	02/23/2024
Thallium		2.0		**236**	250.0	0	94.4	80	120	02/26/2024
Vanadium		5.0		**458**	500.0	0	91.7	80	120	02/23/2024
Zinc		15.0		**478**	500.0	0	95.7	80	120	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219088 **SampType:** MS Units **µg/L**

SampID: 24020001-103CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1830**	2000	15.68	90.8	75	125	02/23/2024
Antimony		1.0		**482**	500.0	0	96.4	75	125	02/23/2024
Arsenic		1.0		**533**	500.0	0.7936	106.5	75	125	02/23/2024
Barium		1.0		**1920**	2000	0	96.1	75	125	02/23/2024
Beryllium		1.0		**50.2**	50.00	0	100.4	75	125	02/23/2024
Boron		25.0		**530**	500.0	125.9	80.7	75	125	02/23/2024
Cadmium		1.0		**48.1**	50.00	0	96.1	75	125	02/23/2024
Chromium		1.5		**183**	200.0	0.8238	91.0	75	125	02/23/2024
Cobalt		1.0		**473**	500.0	0	94.5	75	125	02/23/2024
Copper		1.0		**248**	250.0	0.7189	98.8	75	125	02/23/2024
Iron		25.0		**2140**	2000	46.43	104.6	75	125	02/26/2024
Lead		1.0		**480**	500.0	6.718	94.6	75	125	02/23/2024
Lithium	*	3.0		**481**	500.0	0	96.2	75	125	02/23/2024
Manganese		2.0		**491**	500.0	2.934	97.6	75	125	02/23/2024
Molybdenum		1.5		**441**	500.0	0.8925	88.0	75	125	02/23/2024
Nickel		1.0		**478**	500.0	29.09	89.8	75	125	02/23/2024
Selenium		1.0		**501**	500.0	0	100.2	75	125	02/23/2024
Silver		1.0		**53.3**	50.00	0	106.5	75	125	02/23/2024
Thallium		2.0		**243**	250.0	0	97.1	75	125	02/26/2024
Vanadium		5.0		**468**	500.0	0	93.5	75	125	02/23/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219088 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24020001-103CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2070**	2000	15.68	102.5	1832	12.05	02/23/2024
Antimony		1.0		**496**	500.0	0	99.2	481.8	2.87	02/23/2024
Arsenic		1.0		**516**	500.0	0.7936	103.1	533.3	3.21	02/23/2024
Barium		1.0		**1980**	2000	0	99.1	1922	3.09	02/23/2024
Beryllium		1.0		**51.5**	50.00	0	102.9	50.22	2.46	02/23/2024
Boron		25.0		**512**	500.0	125.9	77.3	529.6	3.30	02/23/2024
Cadmium		1.0		**47.8**	50.00	0	95.6	48.07	0.59	02/23/2024
Chromium		1.5		**197**	200.0	0.8238	98.3	182.9	7.62	02/23/2024
Cobalt		1.0		**478**	500.0	0	95.6	472.5	1.16	02/23/2024
Copper		1.0		**243**	250.0	0.7189	96.7	247.8	2.13	02/23/2024
Iron		25.0		**2240**	2000	46.43	109.8	2138	4.77	02/26/2024
Lead		1.0		**473**	500.0	6.718	93.2	479.8	1.48	02/23/2024
Lithium	*	3.0		**480**	500.0	0	95.9	481.0	0.30	02/23/2024
Manganese		2.0		**485**	500.0	2.934	96.4	491.1	1.23	02/23/2024
Molybdenum		1.5		**434**	500.0	0.8925	86.6	441.1	1.64	02/23/2024
Nickel		1.0		**475**	500.0	29.09	89.2	478.2	0.65	02/23/2024
Selenium		1.0		**494**	500.0	0	98.9	500.8	1.30	02/23/2024
Silver		1.0		**50.1**	50.00	0	100.1	53.26	6.19	02/23/2024
Thallium		2.0		**248**	250.0	0	99.2	242.9	2.08	02/26/2024
Vanadium		5.0		**464**	500.0	0	92.7	467.6	0.85	02/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219115 **SampType:** MBLK Units **µg/L**
SampID: MBLK-219115

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	03/01/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	03/01/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	03/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	03/04/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	03/01/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	03/01/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	03/01/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	03/04/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	03/01/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	03/01/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	03/04/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	03/01/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	03/01/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	03/01/2024

Batch 219115 **SampType:** LCS Units **µg/L**
SampID: LCS-219115

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2020**	2000	0	100.8	80	120	03/01/2024
Arsenic		1.0		**571**	500.0	0	114.1	80	120	03/01/2024
Beryllium		1.0		**51.6**	50.00	0	103.2	80	120	03/01/2024
Boron		25.0		**492**	500.0	0	98.4	80	120	03/04/2024
Chromium		1.5		**207**	200.0	0	103.3	80	120	03/01/2024
Cobalt		1.0		**515**	500.0	0	102.9	80	120	03/01/2024
Copper		1.0		**269**	250.0	0	107.6	80	120	03/01/2024
Iron		25.0		**2120**	2000	0	105.8	80	120	03/04/2024
Lead		1.0		**500**	500.0	0	100.1	80	120	03/01/2024
Lithium	*	3.0		**489**	500.0	0	97.7	80	120	03/01/2024
Molybdenum		1.5		**492**	500.0	0	98.4	80	120	03/04/2024
Nickel		1.0		**519**	500.0	0	103.9	80	120	03/01/2024
Thallium		2.0		**216**	250.0	0	86.6	80	120	03/01/2024
Zinc		15.0		**540**	500.0	0	108.0	80	120	03/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219115 **SampType:** MS Units **µg/L**
SampID: 24020001-015CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**533**	500.0	20.21	102.6	75	125	03/04/2024

Batch 219115 **SampType:** MSD Units **µg/L** RPD Limit: **20**
SampID: 24020001-015CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0		**496**	500.0	20.21	95.1	533.2	7.30	03/04/2024

Batch 219115 **SampType:** MS Units **µg/L**
SampID: 24020001-071BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**1930**	500.0	1398	105.4	75	125	03/04/2024
Lithium	*	3.0		**539**	500.0	4.558	106.9	75	125	03/04/2024

Batch 219115 **SampType:** MSD Units **µg/L** RPD Limit: **20**
SampID: 24020001-071BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0		**1800**	500.0	1398	80.3	1925	6.76	03/04/2024
Lithium	*	3.0		**541**	500.0	4.558	107.2	538.9	0.33	03/04/2024

Batch 219117 **SampType:** MBLK Units **µg/L**
SampID: MBLK-219117

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	02/28/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	02/28/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	02/28/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	02/28/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	02/28/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	02/28/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219117 **SampType:** LCS Units **µg/L**
SampID: LCS-219117

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1870**	2000	0	93.4	80	120	02/28/2024
Boron		25.0		**495**	500.0	0	98.9	80	120	02/28/2024
Lead		1.0		**511**	500.0	0	102.2	80	120	02/28/2024
Molybdenum		1.5		**470**	500.0	0	94.0	80	120	02/28/2024
Nickel		1.0		**496**	500.0	0	99.1	80	120	02/28/2024
Zinc		15.0		**526**	500.0	0	105.1	80	120	02/28/2024

Batch 219117 **SampType:** MS Units **µg/L**
SampID: 24020001-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nickel		1.0		**472**	500.0	0.7688	94.2	75	125	02/28/2024
Zinc		15.0		**513**	500.0	0	102.6	75	125	02/28/2024

Batch 219117 **SampType:** MSD Units **µg/L** RPD Limit: **20**
SampID: 24020001-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nickel		1.0		**488**	500.0	0.7688	97.5	471.6	3.51	02/28/2024
Zinc		15.0		**532**	500.0	0	106.3	513.1	3.54	02/28/2024

Batch 219145 **SampType:** MBLK Units **µg/L**
SampID: MBLK-219145

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	03/01/2024

Batch 219145 **SampType:** LCS Units **µg/L**
SampID: LCS-219145

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**468**	500.0	0	93.6	80	120	03/01/2024

Batch 219145 **SampType:** MS Units **µg/L**
SampID: 24020001-083BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0	S	**16900**	500.0	16010	174.5	75	125	03/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219145 **SampType:** MSD Units µg/L RPD Limit: 20

SampID: 24020001-083BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0	S	**16900**	500.0	16010	180.1	16880	0.16	03/01/2024

Batch 219241 **SampType:** MBLK Units µg/L

SampID: MBLK-219241

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	02/28/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	02/28/2024
Lead		1.0	S	**17.4**	0.6000	0	2908	-100	100	03/01/2024
Nickel		1.0	S	**68.4**	0.4300	0	15900	-100	100	03/01/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	02/28/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	02/28/2024
Zinc		15.0	S	**867**	5.900	0	14690	-100	100	03/01/2024

Batch 219241 **SampType:** LCS Units µg/L

SampID: LCS-219241

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		100		**53500**	50000	0	107.0	80	120	02/28/2024
Arsenic		100		**55000**	50000	0	110.1	80	120	03/01/2024
Lead		100	B	**53000**	50000	0	106.1	80	120	03/01/2024
Nickel		100	BS	**63500**	50000	0	127.1	80	120	03/01/2024
Selenium		100		**51800**	50000	0	103.6	80	120	02/28/2024
Zinc		1500	BS	**214000**	50000	0	428.5	80	120	03/01/2024

Batch 219241 **SampType:** MS Units µg/L

SampID: 24020001-097CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		1.0	B	**463**	500.0	0	92.6	75	125	03/01/2024
Nickel		1.0	B	**485**	500.0	0	97.0	75	125	03/01/2024
Zinc		15.0	B	**488**	500.0	0	97.7	75	125	03/01/2024

Batch 219241 **SampType:** MSD Units µg/L RPD Limit: 20

SampID: 24020001-097CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		1.0	B	**440**	500.0	0	88.0	463.2	5.12	03/01/2024
Nickel		1.0	B	**465**	500.0	0	92.9	484.8	4.24	03/01/2024
Zinc		15.0	B	**476**	500.0	0	95.2	488.3	2.59	03/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219241 **SampType:** MS Units **µg/L**
SampID: 24020001-103CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Zinc		15.0	B	**516**	500.0	0	103.2	75	125	03/01/2024

Batch 219241 **SampType:** MSD Units **µg/L** RPD Limit: **20**
SampID: 24020001-103CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Zinc		15.0	B	**488**	500.0	0	97.6	516.1	5.57	03/01/2024

Batch 219339 **SampType:** MBLK Units **µg/L**
SampID: MBLK-219339

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	03/04/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	03/04/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	03/04/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	03/04/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	03/04/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	03/04/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	03/04/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	03/04/2024
Copper		1.0	S	**1.2**	0.2980	0	415.7	-100	100	03/04/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	03/04/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	03/04/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	03/04/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	03/04/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	03/04/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	03/06/2024
Nickel		1.0	S	**1.8**	0.4300	0	428.5	-100	100	03/04/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	03/04/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	03/04/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	03/04/2024
Zinc		15.0	S	**22.1**	5.900	0	375.0	-100	100	03/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219339 **SampType:** LCS Units **µg/L**

SampID: LCS-219339

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	03/04/2024
Arsenic		1.0		**512**	500.0	0	102.3	80	120	03/04/2024
Barium		1.0		**1900**	2000	0	95.0	80	120	03/04/2024
Beryllium		1.0		**54.6**	50.00	0	109.1	80	120	03/04/2024
Boron		25.0		**526**	500.0	0	105.1	80	120	03/04/2024
Cadmium		1.0		**50.5**	50.00	0	100.9	80	120	03/04/2024
Chromium		1.5		**196**	200.0	0	98.2	80	120	03/04/2024
Cobalt		1.0		**489**	500.0	0	97.9	80	120	03/04/2024
Copper		1.0	B	**252**	250.0	0	100.8	80	120	03/04/2024
Iron		25.0		**2110**	2000	0	105.6	80	120	03/05/2024
Lead		1.0		**471**	500.0	0	94.2	80	120	03/04/2024
Lithium	*	3.0		**530**	500.0	0	106.0	80	120	03/04/2024
Manganese		2.0		**490**	500.0	0	98.0	80	120	03/04/2024
Molybdenum		1.5		**462**	500.0	0	92.4	80	120	03/04/2024
Nickel		1.0	B	**496**	500.0	0	99.2	80	120	03/04/2024
Selenium		1.0		**493**	500.0	0	98.6	80	120	03/04/2024
Silver		1.0		**52.9**	50.00	0	105.7	80	120	03/04/2024
Thallium		2.0		**221**	250.0	0	88.4	80	120	03/04/2024
Zinc		15.0	B	**481**	500.0	0	96.2	80	120	03/04/2024

Batch 219339 **SampType:** MS Units **µg/L**

SampID: 24021482-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**455**	500.0	0	91.0	75	125	03/04/2024
Arsenic		1.0		**506**	500.0	23.19	96.5	75	125	03/04/2024
Barium		1.0		**2070**	2000	286.4	89.2	75	125	03/04/2024
Beryllium		1.0		**48.5**	50.00	0	97.1	75	125	03/04/2024
Boron		25.0		**860**	500.0	386.2	94.7	75	125	03/04/2024
Cadmium		1.0		**47.4**	50.00	0	94.8	75	125	03/04/2024
Chromium		1.5		**177**	200.0	1.834	87.8	75	125	03/04/2024
Cobalt		1.0		**440**	500.0	0.1418	87.9	75	125	03/04/2024
Lead		1.0		**439**	500.0	0	87.8	75	125	03/04/2024
Lithium	*	3.0		**461**	500.0	2.718	91.7	75	125	03/04/2024
Molybdenum		1.5		**438**	500.0	0	87.7	75	125	03/04/2024
Selenium		1.0		**471**	500.0	0	94.2	75	125	03/04/2024
Thallium		2.0		**213**	250.0	0	85.3	75	125	03/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

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

Batch 219339 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 24021482-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**463**	500.0	0	92.7	455.2	1.80	03/04/2024
Arsenic		1.0		**526**	500.0	23.19	100.6	505.6	3.97	03/04/2024
Barium		1.0		**2140**	2000	286.4	92.5	2071	3.12	03/04/2024
Beryllium		1.0		**48.6**	50.00	0	97.3	48.53	0.22	03/04/2024
Boron		25.0		**801**	500.0	386.2	82.9	859.8	7.12	03/04/2024
Cadmium		1.0		**47.7**	50.00	0	95.5	47.40	0.73	03/04/2024
Chromium		1.5		**183**	200.0	1.834	90.6	177.4	3.14	03/04/2024
Cobalt		1.0		**468**	500.0	0.1418	93.6	439.6	6.29	03/04/2024
Lead		1.0		**449**	500.0	0	89.8	439.1	2.24	03/04/2024
Lithium	*	3.0		**470**	500.0	2.718	93.5	461.2	1.89	03/04/2024
Molybdenum		1.5		**445**	500.0	0	88.9	438.3	1.46	03/04/2024
Selenium		1.0		**485**	500.0	0	96.9	471.0	2.86	03/04/2024
Thallium		2.0		**220**	250.0	0	88.1	213.2	3.29	03/04/2024

Batch 219815 **SampType:** MBLK Units **µg/L**

SampID: MBLK-219815

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	03/13/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	03/13/2024

Batch 219815 **SampType:** LCS Units **µg/L**

SampID: LCS-219815

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nickel		1.0		**514**	500.0	0	102.8	80	120	03/13/2024
Zinc		15.0		**480**	500.0	0	95.9	80	120	03/13/2024

SW-846 7470A (DISSOLVED)

Batch 218799 **SampType:** MS Units **µg/L**

SampID: 24020001-012DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.20**	5.000	0	83.9	75	125	02/16/2024

Batch 218799 **SampType:** MSD Units **µg/L** RPD Limit: **15**

SampID: 24020001-012DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.19**	5.000	0	83.7	4.195	0.21	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 7470A (DISSOLVED)

Batch 218860 **SampType:** MS Units **µg/L**
SampID: 24020001-014CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.05**	5.000	0	101.0	75	125	02/19/2024

Batch 218860 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-014CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.83**	5.000	0	96.7	5.050	4.37	02/19/2024

Batch 219164 **SampType:** MS Units **µg/L**
SampID: 24020001-097DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.68**	5.000	0	93.5	75	125	02/29/2024

Batch 219164 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-097DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.32**	5.000	0	86.4	4.675	7.96	02/29/2024

SW-846 7470A (TOTAL)

Batch 218203 **SampType:** MS Units **µg/L**
SampID: 24020001-094BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.00**	5.000	0	100.0	75	125	02/22/2024

Batch 218203 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-094BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.28**	5.000	0	105.5	4.999	5.39	02/22/2024

Batch 218747 **SampType:** MBLK Units **µg/L**
SampID: MBLK-218747

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	02/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

SW-846 7470A (TOTAL)

Batch 218747 **SampType:** LCS Units **µg/L**
SampID: LCS-218747

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.39**	5.000	0	87.9	85	115	02/15/2024

Batch 218747 **SampType:** MS Units **µg/L**
SampID: 24020001-028CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.79**	5.000	0	95.9	75	125	02/15/2024

Batch 218747 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-028CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.73**	5.000	0	94.7	4.794	1.28	02/15/2024

Batch 218749 **SampType:** MBLK Units **µg/L**
SampID: MBLK-218749

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	02/16/2024

Batch 218749 **SampType:** LCS Units **µg/L**
SampID: LCS-218749

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.42**	5.000	0	88.3	85	115	02/16/2024

Batch 218749 **SampType:** MS Units **µg/L**
SampID: 24020001-039CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20	S	**3.69**	5.000	0	73.9	75	125	02/16/2024

Batch 218749 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-039CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20	S	**3.52**	5.000	0	70.4	3.694	4.84	02/16/2024

Batch 218799 **SampType:** MBLK Units **µg/L**
SampID: MBLK-218799

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	02/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 7470A (TOTAL)

Batch 218799 **SampType:** LCS Units **µg/L**
SampID: LCS-218799

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.63**	5.000	0	92.5	85	115	02/16/2024

Batch 218799 **SampType:** MS Units **µg/L**
SampID: 24020001-036CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.25**	5.000	0	85.0	75	125	02/16/2024

Batch 218799 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-036CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.38**	5.000	0	87.7	4.249	3.14	02/16/2024

Batch 218860 **SampType:** MBLK Units **µg/L**
SampID: MBLK-218860

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	02/19/2024

Batch 218860 **SampType:** LCS Units **µg/L**
SampID: LCS-218860

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.18**	5.000	0	103.6	85	115	02/19/2024

Batch 218860 **SampType:** MS Units **µg/L**
SampID: 24020001-031CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.18**	5.000	0	103.6	75	125	02/19/2024

Batch 218860 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-031CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.26**	5.000	0	105.1	5.180	1.44	02/19/2024

Batch 218877 **SampType:** MBLK Units **µg/L**
SampID: MBLK-218877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	02/20/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 7470A (TOTAL)

Batch 218877 **SampType:** LCS Units **µg/L**
SampID: LCS-218877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.59**	5.000	0	91.8	85	115	02/20/2024

Batch 218877 **SampType:** MS Units **µg/L**
SampID: 24020001-062BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.46**	5.000	0	89.2	75	125	02/20/2024

Batch 218877 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-062BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.44**	5.000	0	88.8	4.459	0.43	02/20/2024

Batch 218877 **SampType:** MS Units **µg/L**
SampID: 24020001-086CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.57**	5.000	0	91.3	75	125	02/20/2024

Batch 218877 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-086CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.64**	5.000	0	92.9	4.567	1.66	02/20/2024

Batch 218967 **SampType:** MBLK Units **µg/L**
SampID: MBLK-218967

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	02/21/2024

Batch 218967 **SampType:** LCS Units **µg/L**
SampID: LCS-218967

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.80**	5.000	0	95.9	85	115	02/21/2024

Batch 218967 **SampType:** MS Units **µg/L**
SampID: 24020001-025CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.27**	5.000	0	85.3	75	125	02/21/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 7470A (TOTAL)

Batch 218967 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-025CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.51**	5.000	0	90.1	4.266	5.47	02/21/2024

Batch 218967 **SampType:** MS Units **µg/L**
SampID: 24020001-042CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.60**	5.000	0	92.1	75	125	02/21/2024

Batch 218967 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-042CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.65**	5.000	0	93.1	4.605	1.08	02/21/2024

Batch 218998 **SampType:** MBLK Units **µg/L**
SampID: MBLK-218998

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	02/22/2024

Batch 218998 **SampType:** LCS Units **µg/L**
SampID: LCS-218998

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	85	115	02/22/2024

Batch 218998 **SampType:** MS Units **µg/L**
SampID: 24020001-061BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.24**	5.000	0	104.8	75	125	02/22/2024

Batch 218998 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-061BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.03**	5.000	0	100.7	5.238	4.00	02/22/2024

Batch 219103 **SampType:** MBLK Units **µg/L**
SampID: MBLK-219103

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	02/23/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24020001

Client Project: COF-24Q1 **Report Date:** 08-Apr-24

SW-846 7470A (TOTAL)

Batch 219103 **SampType:** LCS Units **µg/L**
SampID: LCS-219103

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.52**	5.000	0	90.3	85	115	02/23/2024

Batch 219103 **SampType:** MS Units **µg/L**
SampID: 24020001-055BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.01**	5.000	0	80.1	75	125	02/23/2024

Batch 219103 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-055BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.19**	5.000	0	83.9	4.006	4.57	02/23/2024

Batch 219164 **SampType:** MBLK Units **µg/L**
SampID: MBLK-219164

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	02/29/2024

Batch 219164 **SampType:** LCS Units **µg/L**
SampID: LCS-219164

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.89**	5.000	0	97.9	85	115	02/29/2024

Batch 219289 **SampType:** MBLK Units **µg/L**
SampID: MBLK-219289

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	02/29/2024

Batch 219289 **SampType:** LCS Units **µg/L**
SampID: LCS-219289

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.99**	5.000	0	99.7	85	115	02/29/2024

Batch 219289 **SampType:** MS Units **µg/L**
SampID: 24020001-052CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20	S	**2.72**	5.000	0	54.4	75	125	02/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

SW-846 7470A (TOTAL)

Batch 219289 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-052CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20	S	**2.54**	5.000	0	50.8	2.721	6.96	02/29/2024

Batch 219289 **SampType:** MS Units **µg/L**
SampID: 24020001-053CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.79**	5.000	0	95.9	75	125	02/29/2024

Batch 219289 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-053CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.10**	5.000	0	102.0	4.794	6.16	02/29/2024

Batch 219476 **SampType:** MBLK Units **µg/L**
SampID: MBLK-219476

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	03/05/2024

Batch 219476 **SampType:** LCS Units **µg/L**
SampID: LCS-219476

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.90**	5.000	0	98.0	85	115	03/05/2024

Batch 219476 **SampType:** MS Units **µg/L**
SampID: 24020001-102CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.52**	5.000	0	110.5	75	125	03/05/2024

Batch 219476 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24020001-102CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.16**	5.000	0	103.1	5.525	6.91	03/05/2024

Batch 219495 **SampType:** MBLK Units **µg/L**
SampID: MBLK-219495

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	03/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

SW-846 7470A (TOTAL)

Batch 219495 **SampType:** LCS Units **µg/L**
SampID: LCS-219495

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.38**	5.000	0	87.5	85	115	03/11/2024

Batch 219495 **SampType:** MS Units **µg/L**
SampID: 24030573-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.96**	5.000	0	99.2	75	125	03/11/2024

Batch 219495 **SampType:** MSD Units **µg/L** RPD Limit: **15**
SampID: 24030573-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.91**	5.000	0	98.3	4.960	0.93	03/11/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

Carrier: Justin Colp

Received By: LEH

Completed by: Amber Dilallo
On: 14-Feb-24

Reviewed by: Ellie Hopkins
On: 22-Feb-24

Pages to follow: Chain of custody 33 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 9.1
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. Additional Nitric Acid (94914) was needed in G313, G314, G314D, and G316 upon arrival at the laboratory. One G216 container was not provided - notified field crew. - DS/amberdilallo - 2/14/2024 10:42:41 AM

Samples received 2/14/24 at 1655 (4.7c on ice LTG 7). Additional Nitric Acid (94914) was needed in G303 and G307 upon arrival at the laboratory. pH strip #89660/90719. - amberdilallo - 2/15/2024 9:24:02 AM

Samples received 2/15/24 at 1600 (8.1c on ice LTG 5). Additional Sodium Hydroxide (95443) was needed in G278 upon arrival at the laboratory. pH strip #89660/90719. The missing G216 container was received. - LH/amberdilallo - 2/16/2024 10:17:36 AM

Samples received 2/16/24 at 1221 (5.5c on ice LTG 5). Additional Nitric Acid (94914) was needed in G206D, G308, and XPW02 upon arrival at the laboratory. pH strip #89660/90719. - LH/amberdilallo - 2/16/2024 3:20:59 PM

Samples were received on 2/19/24 at 1640 on ice [8.5C - LTG5]. Additional Nitric Acid (96331) was needed in G270 and G275D upon arrival at the laboratory. Additional Sodium Hydroxide (95443) was needed in G153 upon arrival at the laboratory. pH strip #89660/90719. - LH/amberdilallo - 2/20/2024 8:40:57 AM

Samples were received on 2/20/24 at 1635 (on ice - 11.1C - LTG#7. Additional Nitric Acid (96331) was needed in G276, G284, G410, G411, R201, and R201 Duplicate upon arrival at the laboratory. Additional Sodium Hydroxide (95443) was needed in G407, R201, and R201 Duplicate upon arrival at the laboratory. Additional Sulfuric Acid (94915) was needed in R201 and R201 Duplicate upon arrival at the laboratory. - LM/nickreed - 2/20/2024 5:06:51 PM

Samples were received on 2/21/24 at 1635 (on ice - 10.3C - LTG#5. Additional Nitric Acid (96331) was needed in G283, G401, G402, G405, G406,

Teklab, Inc.
Environmental Laboratory

Receiving Check List

Client: Ramboll
Work Order: 24020001
Client Project: COF-24Q1
Report Date: 08-Apr-24

and NE Riser upon arrival at the laboratory. Additional Sodium Hydroxide was needed in G401 and G402 upon arrival at the laboratory. pH strip #90719/89660. - nickreed - 2/21/2024 6:32:49 PM

Equipment Blank 1 was filtered and preserved with HNO3 (96331), H2SO4 (94915) and left unpreserved for the dissolved parameters upon arrival at the laboratory. Sample was not filtered in the field for DOC; no unpreserved glass container was provided. DOC will be reported from the non-filtered container. - FB/AMD/ehurley - 2/22/2024 1:29:39 PM

Samples were received on 2/22/24 at 1300 on ice - 15.4C - LTG7. Additional Nitric Acid (96331) was needed in L202 and L203 upon arrival at the laboratory. pH strip #90719. - DS/amberdilallo - 2/22/2024 2:54:11 PM

(99914) 24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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HNO3 added to D59/14
Final 4 samples
1 liter unp missing from G216

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: DRINKING WATER DW; WATER WT; WASTE WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; TISSUE OT; OTHER 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	G122	WT	G				5	2	1	1		1										X									24020001-017
2	G123	WT	G				5	2	1	1		1										X									24020001-018
3	G124	WT	G				5	2	1	1		1										X									24020001-019
4	G125	WT	G				6	2	1	2		1									X	X									24020001-020
5	G126	WT	G				5	2	1	1		1										X									24020001-021
6	G151	WT	G				4	2		1		1																	X		24020001-022
7	G152	WT	G				4	2		1		1																	X		24020001-023
8	G153	WT	G				4	2		1		1																	X		24020001-024
9	G154	WT	G				5	2		2		1															X		X		24020001-025
10	G155	WT	G				4	2		1		1																	X		24020001-026
11	G200	WT	G				6	2	1	2		1							X		X				X			X			24020001-027
12	G206	WT	G	2-13-24	1144		6	2	1	2		1							X						X			X			24020001-028
13	G206D	WT	G				2	1		1									X						X						24020001-029
14	G207	WT	G				6	2	1	2		1																X			24020001-030
15	G208	WT	G	2-13-24	1100		6	2	1	2		1																X			24020001-031
16	G209	WT	G	2-13-24	1030		6	2	1	2		1							X						X			X			24020001-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q1 Rev 1	J. Colp	2-13	1640		2/13	1640

SAMPLE CONDITIONS	>	<	Y
9.1			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 2-13-24

LTG 7

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane
	Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-891	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

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,) Sample IDs MUST BE UNIQUE	MATRIX Codes: DRINKING WATER DW, WATER WT, WASTE WW, PRODUCT P, 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	G210		WT	G	2-13-24	0948		5	2	1	1		1														X			24020001-033
2	G211		WT	G				5	2	1	1		1														X			24020001-034
3	G212		WT	G				5	2	1	1		1						X						X		X			24020001-035
4	G213		WT	G				5	2	1	1		1						X						X		X			24020001-036
5	G214		WT	G	2-13-24	1437		5	2	1	1		1														X			24020001-037
6	G215		WT	G		1412		5	2	1	1		1						X						X		X			24020001-038
7	G216		WT	G		1340		5	2	1	1		1														X			24020001-039
8	G217		WT	G		1240		5	2	1	1		1						X						X		X			24020001-040
9	G218		WT	G	↓	1211		5	2	1	1		1						X						X		X			24020001-041
10	G270		WT	G				5	2	1	1		1					X		X				X		X	X	X			24020001-042
11	G271		WT	G				5	2	1	1		1							X						X		X			24020001-043
12	G272		WT	G				5	2	1	1		1														X			24020001-044
13	G273		WT	G				5	2	1	1		1							X						X		X			24020001-045
14	G274		WT	G				5	2	1	1		1														X			24020001-046
15	G275		WT	G				5	2	1	1		1							X						X		X			24020001-047
16	G275D		WT	G				2	1		1									X											24020001-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-13	1640		2/13	1640	
							5.1

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-13-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
UG7	Y	N	

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 5 of 7

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	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 WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; TISSUE OT; OTHER 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	G308	WT	G				2	1		1							X						X								24020001-065
2	G310	WT	G				2	1		1							X						X								24020001-066
3	G312	WT	G				2	1		1							X						X								24020001-067
4	G313	WT	G	2-13-24	1419		2	1		1							X						X								24020001-068
5	G314	WT	G	2-13-24	1311		2	1		1							X						X								24020001-069
6	G314D	WT	G	2-13-24	1220		2	1		1							X						X								24020001-070
7	G315	WT	G				2	1		1							X						X								24020001-071
8	G316	WT	G	2-13-24	1131		2	1		1							X						X								24020001-072
9	G401	WT	G				4	1		2		1						X						X			X					24020001-073
10	G402	WT	G				4	1		2		1						X						X			X					24020001-074
11	G403	WT	G				4	1		2		1						X						X			X					24020001-075
12	G404	WT	G				4	1		2		1						X						X			X					24020001-076
13	G405	WT	G				4	1		2		1						X						X			X					24020001-077
14	G406	WT	G				4	1		2		1						X						X			X					24020001-078
15	G407	WT	G				4	1		2		1						X						X			X					24020001-079
16	G410	WT	G				4	1		2		1															X					24020001-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-13	1640	[signature]	2/13	1640	
							9.1

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	2-13-24
SIGNATURE of SAMPLER:	[signature]		

SAMPLE CONDITIONS	Y	N	
Temp in °C			
Received on Ice (Y/N)			
Custody Sealed Cooler (Y/N)			
Samples Intact (Y/N)			

LTG7

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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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, I . 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) 753-891 I 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 WW; WATER PRODUCT P; SOIL/GOLD 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.
								Requested Analysis Filtered (Y/N)																								
1	AP2D	WT	G				2	1		1								X					X							24020001-001
2	G1001	WT	G				2	1		1								X					X							24020001-002
3	G1003	WT	G				4	1		3								X					X							24020001-003
4	G101	WT	G				5	2	1	1		1										X								24020001-004
5	G102	WT	G	2-14-24	1113		7	2	2	2		1									X	X					X			24020001-005
6	G103	WT	G	2-14-24	1150		7	2	2	2		1										X					X			24020001-006
7	G105	WT	G	2-14-24	1213		7	2	2	2		1										X					X			24020001-007
8	G106	WT	G	2-14-24	1258		7	2	2	2		1									X	X					X			24020001-008
9	G107	WT	G	2-14-24	1330		5	2	1	1		1										X								24020001-009
10	G108	WT	G	2-14-24	1347		5	2	1	1		1										X								24020001-010
11	G109	WT	G	2-14-24	1405		5	2	1	1		1										X								24020001-011
12	G110	WT	G	2-14-24	1421		6	2	1	2		1									X	X								24020001-012
13	G111	WT	G				5	2	1	1		1										X								24020001-013
14	G119	WT	G				5	2	1	1		1										X								24020001-014
15	G120	WT	G				6	2	1	2		1									X	X								24020001-015
16	G121	WT	G				5	2	1	1		1										X								24020001-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-14	1655	[signature]	2/14	1655	
							4.7

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp			Y	N	Y
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 2-14-24				

Added HNO3 (94914) to G303 & G307. pH ✓ 89e120/90719 SM 2/15/24

LIGS

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 7

Section A Required Client Information:

Company:	Vistra Co p-Coffeen
Address:	134 CIPS Lane
	Coffeen, Il 62017
Email To:	Brian Voe er@VistraCorp.com
Phone: (217) 753-891	Fax:
Requested Due Date/TA :	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: DRINKING WATER DW; WATER WT; WASTE WW; WATER P; PRODUCT SL; SOIL/GOLID OL; OIL WP; WIPE AR; AIR OT; OTHER TS; TISSUE

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	G210	WT	G				5	2	1	1		1																X			24020001-033
2	G211	WT	G	2-14-24	1046		5	2	1	1		1																X			24020001-034
3	G212	WT	G	2-14-24	1017		5	2	1	1		1							X						X			X			24020001-035
4	G213	WT	G	2-14-24	0955		5	2	1	1		1							X						X			X			24020001-036
5	G214	WT	G				5	2	1	1		1																X			24020001-037
6	G215	WT	G				5	2	1	1		1							X						X			X			24020001-038
7	G216	WT	G				5	2	1	1		1																X			24020001-039
8	G217	WT	G				5	2	1	1		1							X						X			X			24020001-040
9	G218	WT	G				5	2	1	1		1							X						X			X			24020001-041
10	G270	WT	G				5	2	1	1		1						X		X				X		X	X	X			24020001-042
11	G271	WT	G				5	2	1	1		1								X						X		X			24020001-043
12	G272	WT	G				5	2	1	1		1																X			24020001-044
13	G273	WT	G				5	2	1	1		1								X						X		X			24020001-045
14	G274	WT	G				5	2	1	1		1																X			24020001-046
15	G275	WT	G				5	2	1	1		1								X						X		X			24020001-047
16	G275D	WT	G				2	1		1										X						X					24020001-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q1 Rev 1	J. Colp	2-14	1655		2/14	1655				
							4.7			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 2-14-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
0.95			

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: 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, WATER WT, WASTE WW, WATER 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.
									Requested Analysis Filtered (Y/N)																						
1	G276		WT	G				5	2	1	1		1								X				X					24020001-049
2	G277		WT	G				5	2	1	1		1								X				X					24020001-050
3	G278		WT	G				5	2	1	1		1														X			24020001-051
4	G279		WT	G				5	2	1	1		1								X				X	X	X			24020001-052
5	G280		WT	G				5	2	1	1		1					X			X				X	X	X			24020001-053
6	G281		WT	G				4	1		2		1				X	X					X	X			X			24020001-054
7	G283		WT	G				2	1		1										X				X					24020001-055
8	G284		WT	G				2	1		1										X				X					24020001-056
9	G285		WT	G				2	1		1										X				X					24020001-057
10	G301		WT	G				2	1		1							X						X							24020001-058
11	G302		WT	G				2	1		1							X						X							24020001-059
12	G303		WT	G	2/14/24	1023		2	1		1							X						X							24020001-060
13	G305		WT	G				2	1		1							X						X							24020001-061
14	G306		WT	G	2/14/24	1135		2	1		1							X						X							24020001-062
15	G307		WT	G	2/14/24	1458		2	1		1							X						X							24020001-063
16	G307D		WT	G	2/14/24	1347		2	1		1							X						X							24020001-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q1 Rev 1	J. Culp	2-14	1655	[signature]	2/14	1655				
							4.7			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: John Culp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-14-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
4.7			

495

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 WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; TISSUE OT; OTHER 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	G308	WT	G				2	1		1							X						X								24020001-065
2	G310	WT	G				2	1		1							X						X								24020001-066
3	G312	WT	G				2	1		1							X						X								24020001-067
4	G313	WT	G				2	1		1							X						X								24020001-068
5	G314	WT	G				2	1		1							X						X								24020001-069
6	G314D	WT	G				2	1		1							X						X								24020001-070
7	G315	WT	G	2/14/24	1245		2	1		1							X						X								24020001-071
8	G316	WT	G				2	1		1							X						X								24020001-072
9	G401	WT	G				4	1		2		1						X						X			X					24020001-073
10	G402	WT	G				4	1		2		1						X						X			X					24020001-074
11	G403	WT	G				4	1		2		1						X						X			X					24020001-075
12	G404	WT	G				4	1		2		1						X						X			X					24020001-076
13	G405	WT	G				4	1		2		1						X						X			X					24020001-077
14	G406	WT	G				4	1		2		1						X						X			X					24020001-078
15	G407	WT	G				4	1		2		1						X						X			X					24020001-079
16	G410	WT	G				4	1		2		1															X					24020001-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-14	1655	[signature]	2/14	1655	
							4.7

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-14-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
4.7	Y	N	

LTGS

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		
DRINKING WATER	DW	
WATER	WT	
WASTE WATER	WW	
PRODUCT	P	
SOIL/SOLID	SL	
OIL	OL	
WIPE	WP	
AIR	AR	
TISSUE	OT	
OTHER	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	G411	WT	G				4	1		2		1															X				24020001-081
2	L201	WT	G				2	1		1												X									24020001-082
3	L202	WT	G				2	1		1												X									24020001-083
4	L203	WT	G				2	1		1												X									24020001-084
5	NE Riser	WT	G				2	1		1									X						X						24020001-085
6	R104	WT	G	2-14-24	1238		7	2	2	2		1											X					X			24020001-086
7	R201	WT	G				6	2	1	2		1							X			X			X			X			24020001-087
8	R205	WT	G	2-14-24	0922		6	2	1	2		1																X			24020001-088
9	SG-02	WT	G				0										X	X					X	X							24020001-089
10	SG-03	WT	G				0										X	X					X	X							24020001-090
11	T127	WT	G				6	2	1	2		1										X	X									24020001-091
12	T128	WT	G				5	2	1	1		1											X									24020001-092
13	X201	WT	G				2	1		1											X					X						24020001-093
14	XPW01	WT	G				2	1		1							X							X								24020001-094
15	XPW02	WT	G				2	1		1							X							X								24020001-095
16	XSG-01	WT	G				0										X							X								24020001-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q1 Rev 1	J. Colp	2-14	1655		2/14	1655

SAMPLE CONDITIONS

Temp in °C	Y	N	
4.7			
	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): 2-14-24

LTGS

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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 WW, WATER 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	Field Blank	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-097
2	G102 Duplicate	WT	G	2-14-24	1113		7	2	2	2		1									X	X						X			24020001-098
3	G200 Duplicate	WT	G				6	2	1	2		1							X		X				X			X			24020001-099
4	G273 Duplicate	WT	G				6	2	1	2		1								X						X		X			24020001-100
5	G301 Duplicate	WT	G				2	1		1							X						X								24020001-101
6	R201 Duplicate	WT	G				6	2	1	2		1							X		X				X			X			24020001-102
7	Equipment Blank 1	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-103
8	Equipment Blank 2	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-104
9	Equipment Blank 3	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-105
10																														
11																														
12																														
13																														
14																														
15																														
16																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q1 Rev 1	J. Colp	2-14	1655		2/14	1655	4.7			

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	2-14-24	Temp in °C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:				Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

LTG 5

COF-257-102

24020001

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 Co -Coffeen
Address:	134 CIPS La e
	Coffeen, I 62017
Email To:	Brian.Ve @VistraCorp.com
Phone:	(217) 753-891 Fax:
Requested Due Date/T :	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 Info: ator

SAMPLE D

(A-Z, 9 / ,) ample IDs MUST BE U IQUE

Valid Matrix Codes

MATRIX		MATRIX CODE (use valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)
DRINKING WATER	DW		
WATER	WT		
WASTE WATER	WW		
PRODUCT	P		
SOIL/SOLID	SL		
OIL	OL		
WIPE	WP		
AIR	AR		
TISSUE	OT		
OTHER	TS		

ITEM #	Section D Required Client Info: ator		MATRIX CODE (use 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		AP2D	WT	G				2	1		1								X					X							24020001-001
2		G1001	WT	G	2-15-24	1323		2	1		1								X					X							24020001-002
3		G1003	WT	G				4	1		3								X					X							24020001-003
4		G101	WT	G	2-15-24	1303		5	2	1	1		1										X								24020001-004
5		G102	WT	G				7	2	2	2		1										X	X					X			24020001-005
6		G103	WT	G				7	2	2	2		1											X					X			24020001-006
7		G105	WT	G				7	2	2	2		1											X					X			24020001-007
8		G106	WT	G				7	2	2	2		1										X	X					X			24020001-008
9		G107	WT	G				5	2	1	1		1											X								24020001-009
10		G108	WT	G				5	2	1	1		1											X								24020001-010
11		G109	WT	G				5	2	1	1		1											X								24020001-011
12		G110	WT	G				6	2	1	2		1										X	X								24020001-012
13		G111	WT	G	2-15-24	0903		5	2	1	1		1											X								24020001-013
14		G119	WT	G	2-15-24	0947		5	2	1	1		1											X								24020001-014
15		G120	WT	G	2-15-24	1004		6	2	1	2		1										X	X								24020001-015
16		G121	WT	G	2-15-24	1040		5	2	1	1		1											X								24020001-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-257-102 Rev 1	J. Cole	2-15	1600		2/15/24	1600	#5 / 8.1 / (Y) / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 2-15-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

PM 90719/89660

added NaOH(95443) to G278

CH 2/16/24

Confidential

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Co -Coffeen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS ane	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Vo @VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-891 Fax:	Project Name:		Project Manager:	
Requested Due Date/T	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 D

(A-Z, 0-9 / ,) am le IDs MUST BE U IQ E

Valid Matrix Codes

MATRIX		CODE
DRINKING WATER		DW
WATER		WT
WASTE WATER		WW
PRODUCT		P
SOIL/SOLID		SL
OIL		OL
WIPE		WP
AIR		AR
TISSUE		TS
OTHER		OT

ITEM #	Section D Required Client Info	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	G122	WT	G	2-15-24	1105		5	2	1	1		1										X									24020001-017
2	G123	WT	G	2-15-24	1131		5	2	1	1		1										X									24020001-018
3	G124	WT	G	2-15-24	1153		5	2	1	1		1										X									24020001-019
4	G125	WT	G	2-15-24	1219		6	2	1	2		1									X	X									24020001-020
5	G126	WT	G	2-15-24	1322		5	2	1	1		1										X									24020001-021
6	G151	WT	G				4	2		1		1																	X			24020001-022
7	G152	WT	G				4	2		1		1																	X			24020001-023
8	G153	WT	G				4	2		1		1																	X			24020001-024
9	G154	WT	G				5	2		2		1															X		X			24020001-025
10	G155	WT	G				4	2		1		1																	X			24020001-026
11	G200	WT	G				6	2	1	2		1							X		X				X			X				24020001-027
12	G206	WT	G				6	2	1	2		1							X						X			X				24020001-028
13	G206D	WT	G				2	1		1									X						X							24020001-029
14	G207	WT	G	2-15-24	1155		6	2	1	2		1																X				24020001-030
15	G208	WT	G				6	2	1	2		1																X				24020001-031
16	G209	WT	G				6	2	1	2		1							X						X			X				24020001-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-2 21 Rev 1	J. Colp	2-15	1600		2/15/24	1600

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: [signature] DATE Signed (MM/DD/YY): 2-15-24

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:

Company:	Vistra Co p-Coffeen
Address:	134 CIPS Lane
	Coffeen, I . 62017
Email To:	Brian.Vo se @VistraCorp.com
Phone: (217) 753-891	Fax:
Requested Due Date/T/ f:	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 Info: — Valid Matrix Codes

SAMPLE ID

(A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE

MATRIX: DRINKING WATER DW; WATER WT, WW; WASTE WASTE P; PRODUCT SL; SOIL/SOLID OL, WP; OIL AR, OT; WIPE TS; AIR; OTHER TISSUE

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	G276	WT	G				5	2	1	1		1								X						X		X				24020001-049
2	G277	WT	G				5	2	1	1		1								X						X		X				24020001-050
3	G278	WT	G	2-15-24	1103		5	2	1	1		1																X				24020001-051
4	G279	WT	G				5	2	1	1		1								X						X	X	X				24020001-052
5	G280	WT	G				5	2	1	1		1						X		X				X		X	X	X				24020001-053
6	G281	WT	G	2-15-24	1422		4	1		2		1					X	X					X	X			X					24020001-054
7	G283	WT	G				2	1		1										X						X						24020001-055
8	G284	WT	G				2	1		1										X						X						24020001-056
9	G285	WT	G				2	1		1										X						X						24020001-057
10	G301	WT	G				2	1		1							X						X									24020001-058
11	G302	WT	G				2	1		1							X						X									24020001-059
12	G303	WT	G				2	1		1							X						X									24020001-060
13	G305	WT	G				2	1		1							X						X									24020001-061
14	G306	WT	G				2	1		1							X						X									24020001-062
15	G307	WT	G				2	1		1							X						X									24020001-063
16	G307D	WT	G				2	1		1							X						X									24020001-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-2 4Q1 Rev 1	J. Colp	2-15	1600		2/15/24	1600	

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): 2-15-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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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- MichaelBell@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; WASTE W, P; WATER PRODUCT SL; SOIL/SOLID OL, WP; OIL AR, OT; WIPE TS; AIR; OTHER TISSUE

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	G411	WT	G				4	1		2		1														X				24020001-081
2	L201	WT	G				2	1		1												X								24020001-082
3	L202	WT	G				2	1		1												X								24020001-083
4	L203	WT	G				2	1		1												X								24020001-084
5	NE Riser	WT	G				2	1		1										X					X					24020001-085
6	R104	WT	G				7	2	2	2		1											X					X			24020001-086
7	R201	WT	G				6	2	1	2		1								X		X			X			X			24020001-087
8	R205	WT	G				6	2	1	2		1																X			24020001-088
9	SG-02	WT	G				0											X	X					X	X						24020001-089
10	SG-03	WT	G				0											X	X					X	X						24020001-090
11	T127	WT	G				6	2	1	2		1										X	X								24020001-091
12	T128	WT	G	2-15-24	0929		5	2	1	1		1											X								24020001-092
13	X201	WT	G				2	1		1											X					X					24020001-093
14	XPW01	WT	G				2	1		1								X						X							24020001-094
15	XPW02	WT	G				2	1		1								X						X							24020001-095
16	XSG-01	WT	G				0											X						X							24020001-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q1 Rev 1	J. Colp	2-15	1600		2/15/24	1600

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: [signature] DATE Signed (MM/DD/YY): 2-15-24

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Co -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, 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Vo [illegible] VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-89[illegible] Fax:	Project Name:		Project Manager:	
Requested Due Date/T	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Info [illegible]

SAMPLE [illegible]D

(A-Z, 0-9, /) Sample IDs MUST BE UNIQUE

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WW; PRODUCT P; SOLID/SOLID SL; OIL OL; WIPE WP; AIR AR; TISSUE OT; OTHER TS

ITEM #	Section D Required Client Info		MATRIX CODE (use 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		G122	WT	G				5	2	1	1		1										X								24020001-017
2		G123	WT	G				5	2	1	1		1										X								24020001-018
3		G124	WT	G				5	2	1	1		1										X								24020001-019
4		G125	WT	G				6	2	1	2		1									X	X								24020001-020
5		G126	WT	G				5	2	1	1		1										X								24020001-021
6		G151	WT	G				4	2		1		1																X		24020001-022
7		G152	WT	G				4	2		1		1																X		24020001-023
8		G153	WT	G				4	2		1		1																X		24020001-024
9		G154	WT	G				5	2		2		1														X		X		24020001-025
10		G155	WT	G	2/16/24	1037		4	2		1		1																X		24020001-026
11		G200	WT	G				6	2	1	2		1						X		X				X			X			24020001-027
12		G206	WT	G				6	2	1	2		1						X						X			X			24020001-028
13		G206D	WT	G	2/16/24	931		2	1		1								X						X						24020001-029
14		G207	WT	G				6	2	1	2		1															X			24020001-030
15		G208	WT	G				6	2	1	2		1															X			24020001-031
16		G209	WT	G				6	2	1	2		1						X						X			X			24020001-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-257-121 Rev 1	Tracy Cowell	2/16/24	1221	[illegible]	2/16/24	1221		Y	N	Y
							5.5			

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Tracy Cowell	Temp in °C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:	Tracy Cowell	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
DATE Signed (MM/DD/YY):	2/16/24		

UG5 PHV 90719/89660
added HNO3(94914)
to G206D, G308, XPW02
500ml 500ml 500ml

Confidential

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 5 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra C[illegible] offeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS [illegible] e	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, [illegible] 017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Vo[illegible]@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-89[illegible] Fax:	Project Name:	Project Manager:
Requested Due Date/T[illegible]: 10 day	Project Number: 2285	Profile #:

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

Section D Required Client Info[illegible]

Valid Matrix Codes: DRINKING WATER DW; WATER WT, WW, WASTE P, WATER SL, PRODUCT, SOIL/SOLID OL, WP, OIL AR, WPE TS, AIR, OTHER, TISSUE

SAMPLE ID

(A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE

ITEM #	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	G308	WT	G	2/14/24	1004		2	1		1							X						X								24020001-065
2	G310	WT	G				2	1		1							X						X								24020001-066
3	G312	WT	G				2	1		1							X						X								24020001-067
4	G313	WT	G				2	1		1							X						X								24020001-068
5	G314	WT	G				2	1		1							X						X								24020001-069
6	G314D	WT	G				2	1		1							X						X								24020001-070
7	G315	WT	G				2	1		1							X						X								24020001-071
8	G316	WT	G				2	1		1							X						X								24020001-072
9	G401	WT	G				4	1		2		1						X						X			X				24020001-073
10	G402	WT	G				4	1		2		1						X						X			X				24020001-074
11	G403	WT	G				4	1		2		1						X						X			X				24020001-075
12	G404	WT	G				4	1		2		1						X						X			X				24020001-076
13	G405	WT	G				4	1		2		1						X						X			X				24020001-077
14	G406	WT	G				4	1		2		1						X						X			X				24020001-078
15	G407	WT	G				4	1		2		1						X						X			X				24020001-079
16	G410	WT	G				4	1		2		1															X				24020001-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-257-102 Rev 1	Tracy Farrell	2/14/24	1321	[illegible]	2/14/24	1321

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Farrell

SIGNATURE of SAMPLER: Tracy Farrell

DATE Signed (MM/DD/YY): 2/14/24

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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Page: 6 of 7

Section A Required Client Information:

Company:	Vistra C[illegible] p-[illegible]offeen
Address:	134 CIP[illegible] Lane
	Coffeen, [illegible]6[illegible]017
Email To:	Brian.Vo[illegible]@VistraCorp.com
Phone:	(217) 753-89[illegible] Fax:
Requested Due Date/T[illegible]:	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 Info[illegible]

SAMPLE D[illegible]

(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)
DRINKING WATER	DW		
WATER	WT		
WASTE WATER	WW		
WASTE PRODUCT	P		
SOIL/SOLID	SL		
OIL	OL		
WIPE	WP		
AIR	AR		
OTHER	OT		
TISSUE	TS		

ITEM #		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	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)																	
														↕Analysis Test↕																	
1	G411				4	1		2		1														X					24020001-081
2	L201				2	1		1											X										24020001-082
3	L202				2	1		1											X										24020001-083
4	L203				2	1		1											X										24020001-084
5	NE Riser				2	1		1									X						X						24020001-085
6	R104				7	2	2	2		1										X						X				24020001-086
7	R201				6	2	1	2		1							X		X				X			X				24020001-087
8	R205				6	2	1	2		1																X				24020001-088
9	SG-02				0										X	X					X	X								24020001-089
10	SG-03				0										X	X					X	X								24020001-090
11	T127				6	2	1	2		1									X	X										24020001-091
12	T128				5	2	1	1		1										X										24020001-092
13	X201				2	1		1										X						X						24020001-093
14	XPW01				2	1		1							X						X									24020001-094
15	XPW02	2/14/24	1045		2	1		1							X						X									24020001-095
16	XSG-01				0										X						X									24020001-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-[illegible]4Q1 Rev 1	Tracy Carroll	2/16/24	12:21	[illegible]	2/16/24	1211

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: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll

DATE Signed (MM/DD/YY): 2/16/24

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra C	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIPS	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen,		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address:	see Section A
Email To:	Brian.Vo	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-89	Project Name:		Project Manager:	
Requested Due Date/T	10 day	Project Number:	2285	Profile #:	

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

Section D Required Client Info

SAMPLE

(A-Z

BE

IDs MUST

Valid Matrix Codes

MATRIX: DRINKING WATER DW; WATER WT; WASTE WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Info: SAMPLE ID (A-Z, BE IDs MUST)	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.
		Requested Analysis Filtered (Y/N)																											
1		G122	WT	G				5	2	1	1		1										X							24020001-017
2		G123	WT	G				5	2	1	1		1										X							24020001-018
3		G124	WT	G				5	2	1	1		1										X							24020001-019
4		G125	WT	G				6	2	1	2		1									X	X							24020001-020
5		G126	WT	G				5	2	1	1		1										X							24020001-021
6		G151	WT	G	2-19-24	0911		4	2		1		1															X		24020001-022
7		G152	WT	G	2-14-24	1109		4	2		1		1															X		24020001-023
8		G153	WT	G	2-14-24	1009		4	2		1		1															X		24020001-024
9		G154	WT	G	2-14-24	0948		5	2		2		1														X	X		24020001-025
10		G155	WT	G				4	2		1		1															X		24020001-026
11		G200	WT	G				6	2	1	2		1				X		X					X			X			24020001-027
12		G206	WT	G				6	2	1	2		1				X							X			X			24020001-028
13		G206D	WT	G				2	1		1						X							X						24020001-029
14		G207	WT	G				6	2	1	2		1														X			24020001-030
15		G208	WT	G				6	2	1	2		1														X			24020001-031
16		G209	WT	G				6	2	1	2		1				X							X			X			24020001-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF- 1 Rev 1	J. Colp	2-19	1640	[signature]	2/19/24	1640	SS	Y	N	Y
							LCKS			

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:	[signature]	DATE Signed (MM/DD/YY): 2-19-24				

PM/907P1/89660
added HNO_3(96331) to G270, G275D
NaOH(95443) to G153

LH 2/20/24

Confidential

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information

Company: Vistra Co[illegible]een
Address: 134 CIPS [illegible]
Coffeen, [illegible]7
Email To: Brian.Voe[illegible]VistraCorp.com
Phone: (217) 753-891 Fax:
Requested Due Date/T[illegible]: 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 Info[illegible]

SAMPLE [illegible]
(A-Z, [illegible]) and Ds MUST BE [illegible]

Valid Matrix Codes
MATRIX
DRINKING WATER DW
WT
WATER WW
WASTE P
WATER PRODUCT SL
SOLID/SOLID OL
WP
OIL AR
WIPE OT
TS
AIR
OTHER
TISSUE

ITEM #	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	G210	WT	G				5	2	1	1		1																X			24020001-033
2	G211	WT	G				5	2	1	1		1																X			24020001-034
3	G212	WT	G				5	2	1	1		1							X						X			X			24020001-035
4	G213	WT	G				5	2	1	1		1							X						X			X			24020001-036
5	G214	WT	G				5	2	1	1		1																X			24020001-037
6	G215	WT	G				5	2	1	1		1							X						X			X			24020001-038
7	G216	WT	G				5	2	1	1		1																X			24020001-039
8	G217	WT	G				5	2	1	1		1							X						X			X			24020001-040
9	G218	WT	G				5	2	1	1		1							X						X			X			24020001-041
10	G270	WT	G	2-19-24	1156		5	2	1	1		1						X		X				X		X	X	X			24020001-042
11	G271	WT	G	2-19-24	1220		5	2	1	1		1								X						X		X			24020001-043
12	G272	WT	G	2-19-24	1251		5	2	1	1		1																X			24020001-044
13	G273	WT	G	2-19-24	1318		5	2	1	1		1								X						X		X			24020001-045
14	G274	WT	G	2-19-24	1345		5	2	1	1		1																X			24020001-046
15	G275	WT	G	2-19-24	1421		5	2	1	1		1								X						X		X			24020001-047
16	G275D	WT	G	2-19-24	1405		2	1		1										X						X					24020001-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-[illegible]1 Rev 1	J. Colp	2-19	1640	[illegible]	2/19/24	1640	

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Justin Colp					
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	2-19-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

~~G270 bottles are labeled G~~

G271 bottles are labeled G272
G272 bottles are labeled G271
- Brett filled the wrong bottles

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:

Company:	Vistra C [illegible] Coffeen
Address:	134 CIP[illegible] [illegible]
	Coffeen, [illegible]7
Email To:	Brian.Ve[illegible]@VistraCorp.com
Phone:	(217) 753-89[illegible] Fax
Requested Due Date/T[illegible]	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 Info[illegible]

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 I[illegible]

(A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	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	G276	WT	G				5	2	1	1		1								X						X		X			24020001-049
2	G277	WT	G				5	2	1	1		1								X						X		X			24020001-050
3	G278	WT	G				5	2	1	1		1																X			24020001-051
4	G279	WT	G				5	2	1	1		1								X						X	X	X			24020001-052
5	G280	WT	G				5	2	1	1		1						X		X				X		X	X	X			24020001-053
6	G281	WT	G				4	1		2		1					X	X					X	X			X				24020001-054
7	G283	WT	G				2	1		1										X						X					24020001-055
8	G284	WT	G				2	1		1										X						X					24020001-056
9	G285	WT	G				2	1		1										X						X					24020001-057
10	G301	WT	G	2/19/24	1203		2	1		1							X						X								24020001-058
11	G302	WT	G	2/19/24	1327		2	1		1							X						X								24020001-059
12	G303	WT	G				2	1		1							X						X								24020001-060
13	G305	WT	G	2/19/24	1456		2	1		1							X						X								24020001-061
14	G306	WT	G				2	1		1							X						X								24020001-062
15	G307	WT	G				2	1		1							X						X								24020001-063
16	G307D	WT	G				2	1		1							X						X								24020001-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-401 Rev 1	J. Colp	2-19	1640	[illegible]	2/19/24	1640	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	2-19-24	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.

Page: 5 of 7

Section A Required Client Information:

Company:	Vistra C [illegible] Coffeen
Address:	134 CIP[illegible] La[illegible]
	Coffeen, [illegible]L 6[illegible]7
Email To:	Brian.Vo[illegible]@VistraCorp.com
Phone:	(217) 753-89[illegible] Fax:
Requested Due Date/T[illegible]	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 Info[illegible]

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)
DRINKING WATER	DW		
WATER	WT		
WASTE WATER	WW		
PRODUCT	P		
SOIL/SOLID	SL		
OIL	OL		
WIPE	WP		
AIR	AR		
TISSUE	OT		
OTHER	TS		

ITEM #	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				2	1		1								X						X								24020001-065
2	2/19/24	1124		2	1		1								X						X								24020001-066
3	2/19/24	1411		2	1		1								X						X								24020001-067
4				2	1		1								X						X								24020001-068
5				2	1		1								X						X								24020001-069
6				2	1		1								X						X								24020001-070
7				2	1		1								X						X								24020001-071
8				2	1		1								X						X								24020001-072
9				4	1		2		1							X						X			X				24020001-073
10				4	1		2		1							X						X			X				24020001-074
11				4	1		2		1							X						X			X				24020001-075
12				4	1		2		1							X						X			X				24020001-076
13				4	1		2		1							X						X			X				24020001-077
14				4	1		2		1							X						X			X				24020001-078
15				4	1		2		1							X						X			X				24020001-079
16				4	1		2		1																X				24020001-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-401 Rev 1	J. Colp	2-19	1610	[illegible]	2/19/24	1610	

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:	[signature]	DATE Signed (MM/DD/YY): 2-19-24				

24020001

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 C p. offeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIP Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Vo VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-89 Fax:	Project Name:	Project Manager:
Requested Due Date/T: 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: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; TISSUE TS; OTHER OT

ITEM #	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	G411	WT	G				4	1		2		1														X				24020001-081
2	L201	WT	G				2	1		1										X										24020001-082
3	L202	WT	G				2	1		1										X										24020001-083
4	L203	WT	G				2	1		1										X										24020001-084
5	NE Riser	WT	G				2	1		1								X						X						24020001-085
6	R104	WT	G				7	2	2	2		1									X						X				24020001-086
7	R201	WT	G				6	2	1	2		1						X		X				X			X				24020001-087
8	R205	WT	G				6	2	1	2		1															X				24020001-088
9	SG-02	WT	G				0									X	X					X	X							24020001-089
10	SG-03	WT	G				0									X	X					X	X							24020001-090
11	T127	WT	G				6	2	1	2		1									X	X									24020001-091
12	T128	WT	G				5	2	1	1		1										X									24020001-092
13	X201	WT	G				2	1		1									X						X						24020001-093
14	XPW01	WT	G	2/19/24	1048		2	1		1						X						X									24020001-094
15	XPW02	WT	G				2	1		1						X						X									24020001-095
16	XSG-01	WT	G				0									X						X									24020001-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-401 Rev 1	J Colp	2-19	1640	Samantha Davies	2/19/24	1640	

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:	Justin Colp	DATE Signed (MM/DD/YY): 2-14-24				

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra C[illegible]-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIPS [illegible]ane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Vo[illegible]@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-89[illegible] Fax:	Project Name:	Project Manager:
Requested Due Date/T[illegible]: 10 day	Project Number: 2285	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Info[illegible]

SAMPLE [illegible]D

(A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	MATRIX CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	OT
OTHER	TS

ITEM #	Section D Required Client Info	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		Field Blank	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X			24020001-097
2		G102 Duplicate	WT	G				7	2	2	2		1									X	X						X				24020001-098
3		G200 Duplicate	WT	G				6	2	1	2		1							X		X				X			X				24020001-099
4		G273 Duplicate	WT	G	2-19-24	1318		6	2	1	2		1								X						X		X				24020001-100
5		G301 Duplicate	WT	G	2/19/24	1265		2	1		1							X						X									24020001-101
6		R201 Duplicate	WT	G				6	2	1	2		1							X		X				X			X				24020001-102
7		Equipment Blank 1	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X			24020001-103
8		Equipment Blank 2	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X			24020001-104
9		Equipment Blank 3	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X			24020001-105
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-421 Rev 1	J. Colp	2-19	1640	[illegible]	2/19/24	1640				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 2-19-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:

Company:	Vistra C [illegible] feen
Address:	134 CIP[illegible]
	Coffeen, [illegible]7
Email To:	Brian.V[illegible]/istraCorp.com
Phone:	(217) 753-89[illegible] ax
Requested Due Date/T[illegible]	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 Info[illegible]

SAMPLE [illegible]
(A-Z [illegible]
BE [illegible] IDs MUST

Valid Matrix Codes

MATRIX	
DRINKING WATER	DW
	WT
WATER	WW
WASTE WATER	P
PRODUCT	SL
SOIL/SOLID	OL
	WP
OIL	AR
	OT
WIPE	TS
AIR	
OTHER	
TISSUE	

ITEM #		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	G276 *	WT	G	2-20-24	0921		5	2	1	1		1									X					X		X			24020001-049
2	G277	WT	G	2-20-24	0940		5	2	1	1		1									X					X		X			24020001-050
3	G278	WT	G				5	2	1	1		1																X			24020001-051
4	G279	WT	G	2-20-24	1025		5	2	1	1		1									X					X	X	X			24020001-052
5	G280	WT	G	2-20-24	1110		5	2	1	1		1						X			X			X		X	X	X			24020001-053
6	G281	WT	G				4	1		2		1					X	X					X	X			X				24020001-054
7	G283	WT	G				2	1		1											X					X					24020001-055
8	G284 *	WT	G	2/29/24	1426		2	1		1											X					X					24020001-056
9	G285	WT	G	2/20/24	1318		2	1		1											X					X					24020001-057
10	G301	WT	G				2	1		1							X							X							24020001-058
11	G302	WT	G				2	1		1							X							X							24020001-059
12	G303	WT	G				2	1		1							X							X							24020001-060
13	G305	WT	G				2	1		1							X							X							24020001-061
14	G306	WT	G				2	1		1							X							X							24020001-062
15	G307	WT	G				2	1		1							X							X							24020001-063
16	G307D	WT	G				2	1		1							X							X							24020001-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-[illegible]1 Rev 1	J. Colp	2-20	1635	[illegible]	2/20/24	1635	1.1	Y	Z	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): 2-20-24

* Added HNO_3 (96331) on 2/20
Added H_2SO_4 (94915) & NaOH (95443) to R201

LTG

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra C feen	Report To:	Brian Voelker	Attention:	Jason Stuckey
Address:	134 CIP	Copy To:	Sam Davies-samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, 7		John Romang - John.Romang@vistracorp.com Scott Belk- Michael.Belt@vistracorp.com	Address:	see Section A
Email To:	Stac vistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-89 ax	Project Name:		Project Manager:	
Requested Due Date/T	10 day	Project Number:	2285	Profile #:	

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

| Section D Required Client Info | Valid Matrix Codes | | |

24020001

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 C [illegible] feen
Address:	134 CIP [illegible]
	Coffeen, [illegible] 17
Email To:	Brian.[illegible] VistraCorp.com
Phone:	(217) 753-89 [illegible] ax:
Requested Due Date/T	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 Belt- Michael.Belt@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 Info

SAMPLE [illegible]

(A-Z [illegible] IDs MUST BE [illegible]

Valid Matrix Codes

MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; TISSUE OT; OTHER TS

ITEM #	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	G411 *	WT	G	2/20/24	1213		4	1		2		1														X				24020001-081
2	L201	WT	G				2	1		1										X										24020001-082
3	L202	WT	G				2	1		1										X										24020001-083
4	L203	WT	G				2	1		1										X										24020001-084
5	NE Riser	WT	G				2	1		1								X						X						24020001-085
6	R104	WT	G		1405		7	2	2	2		1									X						X			24020001-086
7	R201 * *	WT	G	2-20-24	~~0847~~ *		6	2	1	2		1						X		X				X			X			24020001-087
8	R205	WT	G				6	2	1	2		1															X			24020001-088
9	SG-02	WT	G				0									X	X					X	X							24020001-089
10	SG-03	WT	G				0									X	X					X	X							24020001-090
11	T127	WT	G	2-20-24	1258		6	2	1	2		1								X	X									24020001-091
12	T128	WT	G				5	2	1	1		1									X									24020001-092
13	X201	WT	G	2-20-24	0847		2	1		1									X						X					24020001-093
14	XPW01	WT	G				2	1		1						X						X								24020001-094
15	XPW02	WT	G				2	1		1						X						X								24020001-095
16	XSG-01	WT	G				0									X						X								24020001-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-[illegible]1 Rev 1	J. Colp	2-20	1635	[illegible] DiSalvo	2/20/24	1635	

* Field filter in lab JC

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:	[signature]	DATE Signed (MM/DD/YY): 2-20-24				

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Co o-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, I 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian.Voe w.2VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-891 Fax	Project Name:	Project Manager:
Requested Due Date/TA : 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 D

(A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX: DRINKING WATER DW; WATER WT; WASTE WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; TISSUE OT; OTHER TS

ITEM #	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	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-097
2	WT	G				7	2	2	2		1									X	X						X			24020001-098
3	WT	G				6	2	1	2		1							X		X				X			X			24020001-099
4	WT	G				6	2	1	2		1								X						X		X			24020001-100
5	WT	G				2	1		1							X						X								24020001-101
6	WT	G	2-20-24	1405		6	2	1	2		1							X		X				X			X			24020001-102
7	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-103
8	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-104
9	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-105
10																														
11																														
12																														
13																														
14																														
15																														
16																														

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-2 4Q1 Rev 1	J. Colp	2-20	1635	Cynthia Dilella	2/20/24	1635				
							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): 2-20-24

CHAIN-OF-CUSTODY / Analytical Request Document

24020001

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

Valid Matrix Codes: DRINKING WATER DW; WATER WT, WW, WASTE WATER P, PRODUCT SL, SOIL/SOLID OL, WP, OIL AR, OT, WIPE TS, AIR, OTHER TISSUE

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	AP2D	WT	G	7-21-24	1454		2	1		1								X						X							24020001-001
2	G1001	WT	G				2	1		1								X						X							24020001-002
3	G1003	WT	G	7-21-24	DRY		4	1		3								X						X							24020001-003
4	G101	WT	G				5	2	1	1		1										X									24020001-004
5	G102	WT	G				7	2	2	2		1									X	X					X				24020001-005
6	G103	WT	G				7	2	2	2		1										X					X				24020001-006
7	G105	WT	G				7	2	2	2		1										X					X				24020001-007
8	G106	WT	G				7	2	2	2		1									X	X					X				24020001-008
9	G107	WT	G				5	2	1	1		1										X									24020001-009
10	G108	WT	G				5	2	1	1		1										X									24020001-010
11	G109	WT	G				5	2	1	1		1										X									24020001-011
12	G110	WT	G				6	2	1	2		1									X	X									24020001-012
13	G111	WT	G				5	2	1	1		1										X									24020001-013
14	G119	WT	G				5	2	1	1		1										X									24020001-014
15	G120	WT	G				6	2	1	2		1									X	X									24020001-015
16	G121	WT	G				5	2	1	1		1										X									24020001-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1	J. Colp	2-21	1635	[signature]	2/21	1635	10.3	Y	N	Y
							GC5			

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:	[signature]	DATE Signed (MM/DD/YY): 2-21-24				

70719/46900
NR
2/21

24020001

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	G122	WT	G					5	2	1	1		1										X								24020001-017
2	G123	WT	G					5	2	1	1		1										X								24020001-018
3	G124	WT	G					5	2	1	1		1										X								24020001-019
4	G125	WT	G					6	2	1	2		1									X	X								24020001-020
5	G126	WT	G					5	2	1	1		1										X								24020001-021
6	G151	WT	G					4	2		1		1																X			24020001-022
7	G152	WT	G					4	2		1		1																X			24020001-023
8	G153	WT	G					4	2		1		1																X			24020001-024
9	G154	WT	G					5	2		2		1														X		X			24020001-025
10	G155	WT	G					4	2		1		1																X			24020001-026
11	G200	WT	G	2-21-24	0903			6	2	1	2		1							X		X			X			X				24020001-027
12	G206	WT	G					6	2	1	2		1							X					X			X				24020001-028
13	G206D	WT	G					2	1		1									X					X							24020001-029
14	G207	WT	G					6	2	1	2		1															X				24020001-030
15	G208	WT	G					6	2	1	2		1															X				24020001-031
16	G209	WT	G					6	2	1	2		1							X					X			X				24020001-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q1 Rev 1	J Colp	2-21	1635	Kristi Reed	2/21	1635				

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): 2-21-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:

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), TISSUE (TS)

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G276	WT	G				5	2	1	1		1								X						X		X			24020001-049
2	G277	WT	G				5	2	1	1		1								X						X		X			24020001-050
3	G278	WT	G				5	2	1	1		1																X			24020001-051
4	G279	WT	G				5	2	1	1		1								X						X	X	X			24020001-052
5	G280	WT	G				5	2	1	1		1						X		X				X		X	X	X			24020001-053
6	G281	WT	G				4	1		2		1					X	X					X	X			X				24020001-054
7	G283	WT	G	2-21-24	1008		2	1		1										X						X					24020001-055
8	G284	WT	G				2	1		1										X						X					24020001-056
9	G285	WT	G				2	1		1										X						X					24020001-057
10	G301	WT	G				2	1		1							X						X								24020001-058
11	G302	WT	G				2	1		1							X						X								24020001-059
12	G303	WT	G				2	1		1							X						X								24020001-060
13	G305	WT	G				2	1		1							X						X								24020001-061
14	G306	WT	G				2	1		1							X						X								24020001-062
15	G307	WT	G				2	1		1							X						X								24020001-063
16	G307D	WT	G				2	1		1							X						X								24020001-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q1 Rev 1	J. Colp	2-21	1635	[signature]	2/21	1635				
							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): 2-21-24

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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 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	G308	WT	G				2	1		1							X						X								24020001-065
2	G310	WT	G				2	1		1							X						X								24020001-066
3	G312	WT	G				2	1		1							X						X								24020001-067
4	G313	WT	G				2	1		1							X						X								24020001-068
5	G314	WT	G				2	1		1							X						X								24020001-069
6	G314D	WT	G				2	1		1							X						X								24020001-070
7	G315	WT	G				2	1		1							X						X								24020001-071
8	G316	WT	G				2	1		1							X						X								24020001-072
9	G401 * O	WT	G	2-21-24	1246		4	1		2		1						X						X			X					24020001-073
10	G402 * O	WT	G	2-21-24	1344		4	1		2		1						X						X			X					24020001-074
11	G403	WT	G	2-21-24	1143		4	1		2		1						X						X			X					24020001-075
12	G404	WT	G	2-21-24	1037		4	1		2		1						X						X			X					24020001-076
13	G405 *	WT	G	2-21-24	1109		4	1		2		1						X						X			X					24020001-077
14	G406 *	WT	G	2-21-24	1211		4	1		2		1						X						X			X					24020001-078
15	G407	WT	G				4	1		2		1						X						X			X					24020001-079
16	G410	WT	G				4	1		2		1															X					24020001-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q1 Rev 1	J. Colp	2-21	1635	Nick Reed	2/21	1635	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): 2-21-24

24020001

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	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	G411	WT	G				4	1		2		1															X				24020001-081
2	L201	WT	G				2	1		1												X									24020001-082
3	L202	WT	G				2	1		1												X									24020001-083
4	L203	WT	G				2	1		1												X									24020001-084
5	NE Riser *	WT	G	2-21-24	1425		2	1		1									X						X						24020001-085
6	R104	WT	G				7	2	2	2		1											X					X				24020001-086
7	R201	WT	G				6	2	1	2		1							X			X				X		X				24020001-087
8	R205	WT	G				6	2	1	2		1																X				24020001-088
9	SG-02	WT	G				0										X	X						X	X							24020001-089
10	SG-03	WT	G				0										X	X						X	X							24020001-090
11	T127	WT	G				6	2	1	2		1										X	X									24020001-091
12	T128	WT	G				5	2	1	1		1											X									24020001-092
13	X201	WT	G				2	1		1											X					X						24020001-093
14	XPW01	WT	G				2	1		1							X							X								24020001-094
15	XPW02	WT	G				2	1		1							X							X								24020001-095
16	XSG-01	WT	G				0										X							X								24020001-096

Valid matrix codes: DRINKING WATER DW; WATER WT; WASTE WW; WATER P; PRODUCT SL; SOIL/SOLID OL; OIL WP; OIL AR; WPE OT; AR TS; OTHER TISSUE

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	Z	
COF-24Q1 Rev 1	J. Colp	2-21	1635	Mich Read	2/21	1635				

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): 2-21-24				

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
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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 WW; WATER P; PRODUCT SL; SOIL/SOLID OL; WP; OIL AR; OT; WIPE TS; AR; OTHER; TISSUE

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	Field Blank	WT	G	2-21-24	1503		7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-097
2	G102 Duplicate	WT	G				7	2	2	2		1									X	X					X			24020001-098
3	G200 Duplicate	WT	G	2-21-24	0903		6	2	1	2		1							X		X				X		X			24020001-099
4	G273 Duplicate	WT	G				6	2	1	2		1								X						X				24020001-100
5	G301 Duplicate	WT	G				2	1		1							X						X							24020001-101
6	R201 Duplicate	WT	G				6	2	1	2		1							X		X				X		X			24020001-102
7	Equipment Blank 1	WT	G	2-21-24	1458		7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-103
8	Equipment Blank 2	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-104
9	Equipment Blank 3	WT	G				7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-105
10																														
11																														
12																														
13																														
14																														
15																														
16																														

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q1 Rev 1	J. Colp	2-21	1635	Mark Reed	2/21	1635

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: Justin Colp DATE Signed (MM/DD/YY): 2-21-24

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 6 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
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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 WW; WATER 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.
								Requested Analysis Filtered (Y/N)																								
1	G411	WT	G				4	1		2		1															X				24020001-081
2	L201	WT	G	2-22-24	0956		2	1		1											X										24020001-082
3	L202	WT	G	2-22-24	0950		2	1		1											X										24020001-083
4	L203	WT	G	2-22-24	1004		2	1		1											X										24020001-084
5	NE Riser	WT	G				2	1		1									X						X						24020001-085
6	R104	WT	G				7	2	2	2		1										X					X				24020001-086
7	R201	WT	G				6	2	1	2		1							X		X				X		X				24020001-087
8	R205	WT	G				6	2	1	2		1															X				24020001-088
9	SG-02	WT	G				0										X	X					X	X							24020001-089
10	SG-03	WT	G				0										X	X					X	X							24020001-090
11	T127	WT	G				6	2	1	2		1										X	X									24020001-091
12	T128	WT	G				5	2	1	1		1											X									24020001-092
13	X201	WT	G				2	1		1												X				X					24020001-093
14	XPW01	WT	G				2	1		1							X						X								24020001-094
15	XPW02	WT	G				2	1		1							X						X								24020001-095
16	XSG-01	WT	G				0										X						X								24020001-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
								Y	N	
COF-24Q1 Rev 1	J. Colp	2-22	1300	[signature]	2/22/24	1300				

2 pumps HNO3(96331) added to L202 & ~~200~~ 203 PM 90719 TEDS DS 3/22

ice 15.4 LTG 7

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	2-22-24 1220

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

DS 3/22

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

March 22, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: COF-24Q1 **WorkOrder:** 24020002

Dear Eric Bauer:

TEKLAB, INC received 59 samples on 2/22/2024 1:00:00 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: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	66
Receiving Check List	68
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

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

Definitions

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-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-24Q1

Work Order: 24020002
Report Date: 22-Mar-24

Cooler Receipt Temp: 9.1 °C

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

Equipment Blanks 2 and 3 were not required.

G301 Duplicate will be reported as collected at 1203 per field file(s). EAH 2/27/24

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:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	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		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-001
Client Sample ID: G1001
Matrix: GROUNDWATER
Collection Date: 02/15/2024 13:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:33	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-002
Client Sample ID: G151
Matrix: GROUNDWATER
Collection Date: 02/19/2024 9:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:33	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-003
Client Sample ID: G152
Matrix: GROUNDWATER
Collection Date: 02/19/2024 11:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:33	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-004
Client Sample ID: G153
Matrix: GROUNDWATER
Collection Date: 02/19/2024 10:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:33	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-005
Client Sample ID: G154
Matrix: GROUNDWATER
Collection Date: 02/19/2024 9:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:33	R344763

Laboratory Results

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-006 **Client Sample ID:** G155

Matrix: GROUNDWATER **Collection Date:** 02/16/2024 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	03/12/2024 12:27	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-007
Client Sample ID: G200
Matrix: GROUNDWATER
Collection Date: 02/21/2024 9:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:27	R344763

Laboratory Results

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-008 **Client Sample ID:** G206

Matrix: GROUNDWATER **Collection Date:** 02/13/2024 11:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:27	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-009
Client Sample ID: G206D
Matrix: GROUNDWATER
Collection Date: 02/16/2024 9:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:27	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-010
Client Sample ID: G209
Matrix: GROUNDWATER
Collection Date: 02/13/2024 10:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:27	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-011
Client Sample ID: G212
Matrix: GROUNDWATER
Collection Date: 02/14/2024 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:27	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-012
Client Sample ID: G213
Matrix: GROUNDWATER
Collection Date: 02/14/2024 9:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:27	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-013
Client Sample ID: G215
Matrix: GROUNDWATER
Collection Date: 02/13/2024 14:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:28	R344763

Laboratory Results

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-014 **Client Sample ID:** G217

Matrix: GROUNDWATER **Collection Date:** 02/13/2024 12:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:28	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-015
Client Sample ID: G218
Matrix: GROUNDWATER
Collection Date: 02/13/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/12/2024 12:28	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-016
Client Sample ID: G270
Matrix: GROUNDWATER
Collection Date: 02/19/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:09	R344763

Laboratory Results

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-017 **Client Sample ID:** G271

Matrix: GROUNDWATER **Collection Date:** 02/19/2024 12:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:09	R344763

Laboratory Results

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-018 **Client Sample ID:** G273

Matrix: GROUNDWATER **Collection Date:** 02/19/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:09	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-019
Client Sample ID: G275
Matrix: GROUNDWATER
Collection Date: 02/19/2024 14:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:10	R344763

Laboratory Results

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

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-020 **Client Sample ID:** G275D

Matrix: GROUNDWATER **Collection Date:** 02/19/2024 14:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:10	R344763

Laboratory Results

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-021 **Client Sample ID:** G276

Matrix: GROUNDWATER **Collection Date:** 02/20/2024 9:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:10	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-022
Client Sample ID: G277
Matrix: GROUNDWATER
Collection Date: 02/20/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:10	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-023
Client Sample ID: G279
Matrix: GROUNDWATER
Collection Date: 02/20/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:10	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-024
Client Sample ID: G280
Matrix: GROUNDWATER
Collection Date: 02/20/2024 11:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:10	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-025
Client Sample ID: G281
Matrix: GROUNDWATER
Collection Date: 02/15/2024 14:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:10	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-026
Client Sample ID: G283
Matrix: GROUNDWATER
Collection Date: 02/21/2024 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	03/15/2024 12:11	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-027
Client Sample ID: G284
Matrix: GROUNDWATER
Collection Date: 02/20/2024 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:11	R344763

Laboratory Results

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-028 **Client Sample ID:** G285

Matrix: GROUNDWATER **Collection Date:** 02/20/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:11	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-029
Client Sample ID: G301
Matrix: GROUNDWATER
Collection Date: 02/19/2024 12:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:11	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-030
Client Sample ID: G302
Matrix: GROUNDWATER
Collection Date: 02/19/2024 13:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:04	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-031
Client Sample ID: G303
Matrix: GROUNDWATER
Collection Date: 02/14/2024 10:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:04	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-032
Client Sample ID: G305
Matrix: GROUNDWATER
Collection Date: 02/19/2024 14:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:04	R344763

Laboratory Results

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-033 **Client Sample ID:** G306

Matrix: GROUNDWATER **Collection Date:** 02/14/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:04	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-034
Client Sample ID: G307
Matrix: GROUNDWATER
Collection Date: 02/14/2024 14:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:04	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-035
Client Sample ID: G307D
Matrix: GROUNDWATER
Collection Date: 02/14/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/15/2024 12:04	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-036
Client Sample ID: G308
Matrix: GROUNDWATER
Collection Date: 02/16/2024 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:22	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-037
Client Sample ID: G310
Matrix: GROUNDWATER
Collection Date: 02/19/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:22	R344763

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-038 **Client Sample ID:** G312

Matrix: GROUNDWATER **Collection Date:** 02/19/2024 14:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:22	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-039
Client Sample ID: G313
Matrix: GROUNDWATER
Collection Date: 02/13/2024 14:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:22	R344763

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-040 **Client Sample ID:** G314

Matrix: GROUNDWATER **Collection Date:** 02/13/2024 13:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:22	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-041
Client Sample ID: G314D
Matrix: GROUNDWATER
Collection Date: 02/13/2024 12:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:22	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-042
Client Sample ID: G315
Matrix: GROUNDWATER
Collection Date: 02/14/2024 12:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:23	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-043
Client Sample ID: G316
Matrix: GROUNDWATER
Collection Date: 02/13/2024 11:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:23	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-044
Client Sample ID: G401
Matrix: GROUNDWATER
Collection Date: 02/21/2024 12:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:23	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-045
Client Sample ID: G402
Matrix: GROUNDWATER
Collection Date: 02/21/2024 13:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:23	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-046
Client Sample ID: G403
Matrix: GROUNDWATER
Collection Date: 02/21/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:23	R344763

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-047 **Client Sample ID:** G404

Matrix: GROUNDWATER **Collection Date:** 02/21/2024 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	03/14/2024 12:23	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-048
Client Sample ID: G405
Matrix: GROUNDWATER
Collection Date: 02/21/2024 11:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:24	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-049
Client Sample ID: G406
Matrix: GROUNDWATER
Collection Date: 02/21/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:24	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-050
Client Sample ID: G407
Matrix: GROUNDWATER
Collection Date: 02/20/2024 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:17	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-051
Client Sample ID: G410
Matrix: GROUNDWATER
Collection Date: 02/20/2024 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:17	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-052
Client Sample ID: G411
Matrix: GROUNDWATER
Collection Date: 02/20/2024 12:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:17	R344763

Laboratory Results

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

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-053 **Client Sample ID:** R201

Matrix: GROUNDWATER **Collection Date:** 02/20/2024 14:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:17	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-054
Client Sample ID: Field Blank
Matrix: AQUEOUS
Collection Date: 02/21/2024 15:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:17	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-055
Client Sample ID: G200 Duplicate
Matrix: GROUNDWATER
Collection Date: 02/21/2024 9:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/14/2024 12:17	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-056
Client Sample ID: G273 Duplicate
Matrix: GROUNDWATER
Collection Date: 02/19/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/13/2024 12:12	R344763

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24020002

Client Project: COF-24Q1 **Report Date:** 22-Mar-24

Lab ID: 24020002-057 **Client Sample ID:** G301 Duplicate

Matrix: GROUNDWATER **Collection Date:** 02/19/2024 12:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/13/2024 12:12	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-058
Client Sample ID: R201 Duplicate
Matrix: GROUNDWATER
Collection Date: 02/20/2024 14:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/13/2024 12:12	R344763

Laboratory Results

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

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24
Lab ID: 24020002-059
Client Sample ID: Equipment Blank 1
Matrix: AQUEOUS
Collection Date: 02/21/2024 14:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	03/13/2024 12:12	R344763

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Work Order: 24020002
Client Project: COF-24Q1
Report Date: 22-Mar-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24020002-001	G1001	Groundwater	1	02/15/2024 13:23
24020002-002	G151	Groundwater	1	02/19/2024 9:11
24020002-003	G152	Groundwater	1	02/19/2024 11:09
24020002-004	G153	Groundwater	1	02/19/2024 10:09
24020002-005	G154	Groundwater	1	02/19/2024 9:48
24020002-006	G155	Groundwater	1	02/16/2024 10:37
24020002-007	G200	Groundwater	1	02/21/2024 9:03
24020002-008	G206	Groundwater	1	02/13/2024 11:44
24020002-009	G206D	Groundwater	1	02/16/2024 9:31
24020002-010	G209	Groundwater	1	02/13/2024 10:30
24020002-011	G212	Groundwater	1	02/14/2024 10:17
24020002-012	G213	Groundwater	1	02/14/2024 9:55
24020002-013	G215	Groundwater	1	02/13/2024 14:12
24020002-014	G217	Groundwater	1	02/13/2024 12:40
24020002-015	G218	Groundwater	1	02/13/2024 12:11
24020002-016	G270	Groundwater	1	02/19/2024 11:56
24020002-017	G271	Groundwater	1	02/19/2024 12:20
24020002-018	G273	Groundwater	1	02/19/2024 13:18
24020002-019	G275	Groundwater	1	02/19/2024 14:21
24020002-020	G275D	Groundwater	1	02/19/2024 14:05
24020002-021	G276	Groundwater	1	02/20/2024 9:21
24020002-022	G277	Groundwater	1	02/20/2024 9:40
24020002-023	G279	Groundwater	1	02/20/2024 10:25
24020002-024	G280	Groundwater	1	02/20/2024 11:10
24020002-025	G281	Groundwater	1	02/15/2024 14:22
24020002-026	G283	Groundwater	1	02/21/2024 10:11
24020002-027	G284	Groundwater	1	02/20/2024 14:26
24020002-028	G285	Groundwater	1	02/20/2024 13:18
24020002-029	G301	Groundwater	1	02/19/2024 12:03
24020002-030	G302	Groundwater	1	02/19/2024 13:27
24020002-031	G303	Groundwater	1	02/14/2024 10:23
24020002-032	G305	Groundwater	1	02/19/2024 14:56
24020002-033	G306	Groundwater	1	02/14/2024 11:35
24020002-034	G307	Groundwater	1	02/14/2024 14:58
24020002-035	G307D	Groundwater	1	02/14/2024 13:42
24020002-036	G308	Groundwater	1	02/16/2024 10:04
24020002-037	G310	Groundwater	1	02/19/2024 11:24
24020002-038	G312	Groundwater	1	02/19/2024 14:11
24020002-039	G313	Groundwater	1	02/13/2024 14:19

Sample Summary

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020002
Report Date: 22-Mar-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24020002-040	G314	Groundwater	1	02/13/2024 13:11
24020002-041	G314D	Groundwater	1	02/13/2024 12:20
24020002-042	G315	Groundwater	1	02/14/2024 12:45
24020002-043	G316	Groundwater	1	02/13/2024 11:31
24020002-044	G401	Groundwater	1	02/21/2024 12:46
24020002-045	G402	Groundwater	1	02/21/2024 13:44
24020002-046	G403	Groundwater	1	02/21/2024 11:43
24020002-047	G404	Groundwater	1	02/21/2024 10:37
24020002-048	G405	Groundwater	1	02/21/2024 11:09
24020002-049	G406	Groundwater	1	02/21/2024 12:11
24020002-050	G407	Groundwater	1	02/20/2024 10:15
24020002-051	G410	Groundwater	1	02/20/2024 11:18
24020002-052	G411	Groundwater	1	02/20/2024 12:13
24020002-053	R201	Groundwater	1	02/20/2024 14:05
24020002-054	Field Blank	Aqueous	1	02/21/2024 15:03
24020002-055	G200 Duplicate	Groundwater	1	02/21/2024 9:03
24020002-056	G273 Duplicate	Groundwater	1	02/19/2024 13:18
24020002-057	G301 Duplicate	Groundwater	1	02/19/2024 12:03
24020002-058	R201 Duplicate	Groundwater	1	02/20/2024 14:05
24020002-059	Equipment Blank 1	Aqueous	1	02/21/2024 14:58

Teklab, Inc. Environmental Laboratory

Receiving Check List

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020002
Report Date: 22-Mar-24

Carrier: Justin Colp

Received By: LEH

Completed by: Amber Dilallo
On: 14-Feb-24

Reviewed by: Ellie Hopkins
On: 22-Feb-24

Pages to follow: Chain of custody 33 Extra pages included 67

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 9.1
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. Additional Nitric Acid (94914) was needed upon arrival at the laboratory for G313, G314, G314D and G316. - amberdilallo - 2/14/2024 9:32:12 AM

Samples received 2/14/24 at 1655 (4.7c on ice LTG 5). Additional Nitric Acid (94914) was needed in G303 and G307 upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/15/2024 9:24:02 AM

Samples received 2/15/24 at 1600 (8.1c on ice LTG 5). Additional Nitric Acid (94914) was needed in G1001 and G281 upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/19/2024 8:37:03 AM

Samples received 2/16/24 at 1221 (5.9c on ice LTG 5). pH strip #90719. - amberdilallo - 2/19/2024 8:32:02 AM

Samples were received on 2/19/24 at 1640 on ice [8.5C - LTG5]. Additional pNitric Acid (96331) was needed in G152, G153, G270, G275D, and G312 upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/20/2024 8:42:46 AM

Samples were received on 2/20/24 at 16:35 on ice [11.1C - LTG#7]. - nickreed - 2/20/2024 4:50:14 PM

G277, G279, G284, G285, G407, G410, G411, R201, R201 Dup were preserved Nitric Acid (96331) upon arrival at the laboratory. - nickreed - 2/20/2024 4:55:17 PM

Samples were received on 2/21/24 at 1635 on ice 10.3C - LTG5. Additional Nitric Acid (96331) was needed in all samples upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/22/2024 8:22:22 AM

24020002

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		

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	AP2D	WT	G																X				X							N/A
2	G1001	WT	G			2				2									X				X							24020002-001
3	G1003	WT	G																X				X							N/A
4	G101	WT	G																			X								N/A
5	G102	WT	G	2-14-24	1113																X	X					X			N/A
6	G103	WT	G	2-14-24	1150																	X					X			N/A
7	G105	WT	G	2-14-24	1213																	X					X			N/A
8	G106	WT	G	2-14-24	1258																X	X					X			N/A
9	G107	WT	G	2-14-24	1330																	X								N/A
10	G108	WT	G	2-14-24	1347																	X								N/A
11	G109	WT	G	2-14-24	1405																	X								N/A
12	G110	WT	G	2-14-24	1421																X	X								N/A
13	G111	WT	G																			X								N/A
14	G119	WT	G																			X								N/A
15	G120	WT	G																		X	X								N/A
16	G121	WT	G																			X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1	Justin Colp	2-14	1655		2/14/24	1655	#5	Y	N	Y
Ra226/228, only							4.7			

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	2-14-24	Temp in °C	Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)

Added HNO3 (94914) to G303 & G307. pH < 90719. JSM 2/15/24

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

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	G210	WT	G																								X			N/A
2	G211	WT	G	2-14-24	1046																						X			N/A
3	G212	WT	G	2-14-24	1017		2			2									X					X			X			24020002-011
4	G213	WT	G	2-14-24	0955		2			2									X					X			X			24020002-012
5	G214	WT	G																								X			N/A
6	G215	WT	G				2			2									X					X			X			24020002-013
7	G216	WT	G																								X			N/A
8	G217	WT	G				2												X					X			X			24020002-014
9	G218	WT	G				2			2									X					X			X			24020002-015
10	G270	WT	G				2			2								X		X				X		X	X	X			24020002-016
11	G271	WT	G				2			2										X						X		X			24020002-017
12	G272	WT	G																								X			N/A
13	G273	WT	G				2			2										X						X		X			24020002-018
14	G274	WT	G																								X			N/A
15	G275	WT	G				2			2										X						X		X			24020002-019
16	G275D	WT	G				2			2										X								X			24020002-020

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-14	1655		2/14/24	1655	Y / N
Ra226/228, only							

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): 2-14-24				

24020002

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 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

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	G276	WT	G				2			2										X						X		X			24020002-021
2	G277	WT	G				2			2										X						X		X			24020002-022
3	G278	WT	G																									X			N/A
4	G279	WT	G				2			2										X						X	X	X			24020002-023
5	G280	WT	G				2			2								X		X				X		X	X	X			24020002-024
6	G281	WT	G				2			2							X	X					X	X			X				24020002-025
7	G283	WT	G				2			2										X						X					24020002-026
8	G284	WT	G				2			2										X						X					24020002-027
9	G285	WT	G				2			2										X						X					24020002-028
10	G301	WT	G				2			2							X						X								24020002-029
11	G302	WT	G				2			2							X						X								24020002-030
12	G303	WT	G	2/14/24	1023		2			2							X						X								24020002-031
13	G305	WT	G				2			2							X						X								24020002-032
14	G306	WT	G	2/14/24	1135		2			2							X						X								24020002-033
15	G307	WT	G	2/14/24	1458		2			2							X						X								24020002-034
16	G307D	WT	G	2/14/24	1342		2			2							X						X								24020002-035

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-14	1655		2/14/24	1655	
Ra226/228, only							

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): 2-14-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A Required Client Information:

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	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	G308	WT	G				2			2							X						X								24020002-036
2	G310	WT	G				2			2							X						X								24020002-037
3	G312	WT	G				2			2							X						X								24020002-038
4	G313	WT	G				2			2							X						X								24020002-039
5	G314	WT	G				2			2							X						X								24020002-040
6	G314D	WT	G				2			2							X						X								24020002-041
7	G315	WT	G	2/10/24	1245		2			2							X						X								24020002-042
8	G316	WT	G				2			2							X						X								24020002-043
9	G401	WT	G				2			2								X						X			X				24020002-044
10	G402	WT	G				2			2								X						X			X				24020002-045
11	G403	WT	G				2			2								X						X			X				24020002-046
12	G404	WT	G				2			2								X						X			X				24020002-047
13	G405	WT	G				2			2								X						X			X				24020002-048
14	G406	WT	G				2			2								X						X			X				24020002-049
15	G407	WT	G				2			2								X						X			X				24020002-050
16	G410	WT	G				2			2																	X				24020002-051

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q1 Rev 1	J. Colp	2-14	1655		2/14/24	1655				
Ra226/228, only										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 2-14-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24020002

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	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	G411	WT	G				2			2																	X				24020002-052
2	L201	WT	G																			X									N/A
3	L202	WT	G																			X									N/A
4	L203	WT	G																			X									N/A
5	NE Riser	WT	G																	X						X					N/A
6	R104	WT	G	2-14-24	1238																		X					X			N/A
7	R201	WT	G				2			2										X		X				X		X			24020002-053
8	R205	WT	G	2-14-24	0922																							X			N/A
9	SG-02	WT	G															X	X					X	X						N/A
10	SG-03	WT	G															X	X					X	X						N/A
11	T127	WT	G																			X	X								N/A
12	T128	WT	G																				X								N/A
13	X201	WT	G																		X						X				N/A
14	XPW01	WT	G															X						X							N/A
15	XPW02	WT	G															X						X							N/A
16	XSG-01	WT	G															X						X							N/A

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-14	1655		2/14/24	1655	
Ra226/228, 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): 2-14-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:	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	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	Field Blank	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-054
2	G102 Duplicate	WT	G	2-14-24	1113																X	X						X			N/A
3	G200 Duplicate	WT	G				2			2									X		X				X			X			24020002-055
4	G273 Duplicate	WT	G				2			2										X						X		X			24020002-056
5	G301 Duplicate	WT	G				2			2							X						X								24020002-057
6	R201 Duplicate	WT	G				2			2									X		X				X			X			24020002-058
7	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-059
8	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-060
9	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-061
10																															
11																															
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-14	1655		2/14/24	1655	
Ra226/228, only							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 2-14-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24020002

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 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 Belt- Michael.Belt@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	G122	WT	G																				X								N/A
2	G123	WT	G																				X								N/A
3	G124	WT	G																				X								N/A
4	G125	WT	G																			X	X								N/A
5	G126	WT	G																				X								N/A
6	G151	WT	G				2			2																			X			24020002-002
7	G152	WT	G				2			2																			X			24020002-003
8	G153	WT	G				2			2																			X			24020002-004
9	G154	WT	G				2			2																	X		X			24020002-005
10	G155	WT	G				2			2																			X			24020002-006
11	G200	WT	G				2			2										X		X				X			X			24020002-007
12	G206	WT	G	2-13-24	1144		2			2										X						X			X			24020002-008
13	G206D	WT	G				2			2										X						X						24020002-009
14	G207	WT	G																										X			N/A
15	G208	WT	G	2-13-24	1100																								X			N/A
16	G209	WT	G	2-13-24	1030		2			2										X						X			X			24020002-010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1	J. Colp	2-13	1640	[signature]	2-13	1640		(circled)	Z	Y
Ra226/228, only							9.1			

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: [signature]	DATE Signed (MM/DD/YY): 2-13-24				

DW 90719

Added HNO_3(949H) to G313; G314; G314D; G316

LTG7

LH 2/14/24

Confidential

24020002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:

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

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.
								Requested Analysis Filtered (Y/N)																							
1	G210	WT	G	2-13-24	0948																						X			N/A
2	G211	WT	G																								X			N/A
3	G212	WT	G				2			2									X						X			X			24020002-011
4	G213	WT	G				2			2									X						X			X			24020002-012
5	G214	WT	G	2-13-24	1437																							X			N/A
6	G215	WT	G		1412		2			2									X						X			X			24020002-013
7	G216	WT	G		1340																							X			N/A
8	G217	WT	G		1240		2												X						X			X			24020002-014
9	G218	WT	G	↓	1211		2			2									X						X			X			24020002-015
10	G270	WT	G				2			2								X		X				X		X	X	X			24020002-016
11	G271	WT	G				2			2										X						X		X			24020002-017
12	G272	WT	G																									X			N/A
13	G273	WT	G				2			2										X						X		X			24020002-018
14	G274	WT	G																									X			N/A
15	G275	WT	G				2			2										X						X		X			24020002-019
16	G275D	WT	G				2			2										X						X					24020002-020

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-13	1640		2/13	1640	
Ra226/228, only							9.1

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-13-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

LTG7

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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

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	G308	WT	G				2			2						X						X								24020002-036
2	G310	WT	G				2			2						X						X								24020002-037
3	G312	WT	G				2			2						X						X								24020002-038
4	G313	WT	G	2-13-24	1419		2			2						X						X								24020002-039
5	G314	WT	G	↓	1311		2			2						X						X								24020002-040
6	G314D	WT	G		1220		2			2						X						X								24020002-041
7	G315	WT	G				2			2						X						X								24020002-042
8	G316	WT	G	2-13-24	1131		2			2						X						X								24020002-043
9	G401	WT	G				2			2							X						X			X				24020002-044
10	G402	WT	G				2			2							X						X			X				24020002-045
11	G403	WT	G				2			2							X						X			X				24020002-046
12	G404	WT	G				2			2							X						X			X				24020002-047
13	G405	WT	G				2			2							X						X			X				24020002-048
14	G406	WT	G				2			2							X						X			X				24020002-049
15	G407	WT	G				2			2							X						X			X				24020002-050
16	G410	WT	G				2			2																X				24020002-051

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1	J. Colp	2-13	1640		2/13	1640		>	N	
Ra226/228, only							9.1			

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): 2-13-24				

LTG 7

CHAIN-OF-CUSTODY / Analytical Request Document

24020002

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		

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	AP2D	WT	G															X					X							N/A
2	G1001	WT	G	2-15-24	1323	2				2								X					X							24020002-001
3	G1003	WT	G															X					X							N/A
4	G101	WT	G	2-15-24	1303																	X								N/A
5	G102	WT	G																		X	X					X			N/A
6	G103	WT	G																			X					X			N/A
7	G105	WT	G																			X					X			N/A
8	G106	WT	G																		X	X					X			N/A
9	G107	WT	G																			X								N/A
10	G108	WT	G																			X								N/A
11	G109	WT	G																			X								N/A
12	G110	WT	G																		X	X								N/A
13	G111	WT	G	2-15-24	0903																	X								N/A
14	G119	WT	G	2-15-24	0947																	X								N/A
15	G120	WT	G	2-15-24	1004																X	X								N/A
16	G121	WT	G	2-15-24	1040																	X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-15	1600		2/15/24	1600	#5 ✓ N
Ra226/228, only							8.1

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	2-15-24		
			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

PHN 90719
Added HNO3 to all
(94914)

LH 2/16/24

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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	G122		WT	G	2-15-24	1105																	X									N/A
2	G123		WT	G	2-15-24	1131																	X									N/A
3	G124		WT	G	2-15-24	1153																	X									N/A
4	G125		WT	G	2-15-24	1219																	X	X								N/A
5	G126		WT	G	2-15-24	1322																	X									N/A
6	G151		WT	G				2			2																		X			24020002-002
7	G152		WT	G				2			2																		X			24020002-003
8	G153		WT	G				2			2																		X			24020002-004
9	G154		WT	G				2			2																X		X			24020002-005
10	G155		WT	G				2			2																		X			24020002-006
11	G200		WT	G				2			2													X				X				24020002-007
12	G206		WT	G				2			2													X				X				24020002-008
13	G206D		WT	G				2			2													X								24020002-009
14	G207		WT	G	2-15-24	1155																						X				N/A
15	G208		WT	G																								X				N/A
16	G209		WT	G				2			2													X					X			24020002-010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q1 Rev 1	J. Colp	2-15	1600		2/15/24	1600				
Ra226/228, only										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 2-15-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24020002

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

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G276	WT	G				2			2											X					X		X			24020002-021
2	G277	WT	G				2			2											X					X		X			24020002-022
3	G278	WT	G	2-15-24	1103																							X			N/A
4	G279	WT	G				2			2											X					X	X	X			24020002-023
5	G280	WT	G				2			2									X		X				X	X	X	X			24020002-024
6	G281	WT	G	2-15-24	1422		2			2								X	X					X	X			X			24020002-025
7	G283	WT	G				2			2											X					X					24020002-026
8	G284	WT	G				2			2											X					X					24020002-027
9	G285	WT	G				2			2											X					X					24020002-028
10	G301	WT	G				2			2								X						X							24020002-029
11	G302	WT	G				2			2								X						X							24020002-030
12	G303	WT	G				2			2								X						X							24020002-031
13	G305	WT	G				2			2								X						X							24020002-032
14	G306	WT	G				2			2								X						X							24020002-033
15	G307	WT	G				2			2								X						X							24020002-034
16	G307D	WT	G				2			2								X						X							24020002-035

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-15	1600		2/16/24	1600	
Ra226/228, only							

SAMPLE CONDITIONS: Y | N

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	2-15-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24020002

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	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	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	G411	WT	G				2			2																X				24020002-052
2	L201	WT	G																		X									N/A
3	L202	WT	G																		X									N/A
4	L203	WT	G																		X									N/A
5	NE Riser	WT	G																X						X					N/A
6	R104	WT	G																			X					X			N/A
7	R201	WT	G				2			2									X		X				X		X			24020002-053
8	R205	WT	G																								X			N/A
9	SG-02	WT	G														X	X					X	X						N/A
10	SG-03	WT	G														X	X					X	X						N/A
11	T127	WT	G																		X	X								N/A
12	T128	WT	G	2-15-24	0929																	X								N/A
13	X201	WT	G																	X						X				N/A
14	XPW01	WT	G														X						X							N/A
15	XPW02	WT	G														X						X							N/A
16	XSG-01	WT	G														X						X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Gilp	2-15	1600		2/16/24	1600	
Ra226/228, only							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Gilp

SIGNATURE of SAMPLER: Justin Gilp DATE Signed (MM/DD/YY): 2-15-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24020002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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	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	G122	WT	G																				X								N/A
2	G123	WT	G																				X								N/A
3	G124	WT	G																				X								N/A
4	G125	WT	G																			X	X								N/A
5	G126	WT	G																				X								N/A
6	G151	WT	G				2			2																			X		24020002-002
7	G152	WT	G				2			2																			X		24020002-003
8	G153	WT	G				2			2																			X		24020002-004
9	G154	WT	G				2			2																	X		X		24020002-005
10	G155	WT	G	2/16/24	1037		2			2																			X		24020002-006
11	G200	WT	G				2			2											X		X			X			X		24020002-007
12	G206	WT	G				2			2											X					X					24020002-008
13	G206D	WT	G				2			2											X										24020002-009
14	G207	WT	G	2/16/24	931																							X			N/A
15	G208	WT	G																									X			N/A
16	G209	WT	G				2			2											X					X		X			24020002-010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1	Tracy Carrot	2/16/24	12:21	Amber Wells	2/16/24	1221		Y	N	N/A
Ra226/228, only							5.9			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carrot

SIGNATURE of SAMPLER: Tracy Carrot DATE Signed (MM/DD/YY): 2/16/24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Confidential

no G207 received G206D

LTGS PW 90719

LH 2/16/24

24020002

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

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	G308	WT	G	2/6/24	1004		2			2							X						X								24020002-036
2	G310	WT	G				2			2							X						X								24020002-037
3	G312	WT	G				2			2							X						X								24020002-038
4	G313	WT	G				2			2							X						X								24020002-039
5	G314	WT	G				2			2							X						X								24020002-040
6	G314D	WT	G				2			2							X						X								24020002-041
7	G315	WT	G				2			2							X						X								24020002-042
8	G316	WT	G				2			2							X						X								24020002-043
9	G401	WT	G				2			2								X						X			X				24020002-044
10	G402	WT	G				2			2								X						X			X				24020002-045
11	G403	WT	G				2			2								X						X			X				24020002-046
12	G404	WT	G				2			2								X						X			X				24020002-047
13	G405	WT	G				2			2								X						X			X				24020002-048
14	G406	WT	G				2			2								X						X			X				24020002-049
15	G407	WT	G				2			2								X						X			X				24020002-050
16	G410	WT	G				2			2																	X				24020002-051

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q1 Rev 1	Tracy Carroll	2/6/24	1221	Omar Dibell	2/6/24	1221
Ra226/228, only						

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 2/6/24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

24020002

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 (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	G411	WT	G				2			2																X				24020002-052
2	L201	WT	G																		X									N/A
3	L202	WT	G																		X									N/A
4	L203	WT	G																		X									N/A
5	NE Riser	WT	G																X					X						N/A
6	R104	WT	G																			X					X			N/A
7	R201	WT	G				2			2									X		X				X		X			24020002-053
8	R205	WT	G																								X			N/A
9	SG-02	WT	G														X	X					X	X						N/A
10	SG-03	WT	G														X	X					X	X						N/A
11	T127	WT	G																		X	X								N/A
12	T128	WT	G																			X								N/A
13	X201	WT	G																	X						X				N/A
14	XPW01	WT	G														X						X							N/A
15	XPW02	WT	G	2/1/24	1045												X						X							N/A
16	XSG-01	WT	G														X						X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	Tracy Carroll	2/1/24	1221		2/1/24	1221	
Ra226/228, only							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 2/1/24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24020002

HNO3 (96331) added to G152, G153, G270, G275D, G312 pm 1 9079 DS 2/20

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	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

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	G122	WT	G																		X									N/A
2	G123	WT	G																		X									N/A
3	G124	WT	G																		X									N/A
4	G125	WT	G																	X	X									N/A
5	G126	WT	G																		X									N/A
6	G151	WT	G	2-19-24	0911		2			2																		X		24020002-002
7	G152	WT	G	2-19-24	1109		2			2																		X		24020002-003
8	G153	WT	G	2-19-24	1009		2			2																		X		24020002-004
9	G154	WT	G	2-19-24	0948		2			2																X		X		24020002-005
10	G155	WT	G				2			2																		X		24020002-006
11	G200	WT	G				2			2									X		X				X			X			24020002-007
12	G206	WT	G				2			2									X						X			X			24020002-008
13	G206D	WT	G				2			2									X						X						24020002-009
14	G207	WT	G																									X			N/A
15	G208	WT	G																									X			N/A
16	G209	WT	G				2			2									X						X			X			24020002-010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1	J. Colp	2-19	1640	Omar Asalla	2/19/24	1640	8.5	Y	N	Y
Ra226/228, only							17.6			

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	2-19-24

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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Page: 3 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 (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	G210	WT	G																									X			N/A
2	G211	WT	G																									X			N/A
3	G212	WT	G				2			2										X					X			X			24020002-011
4	G213	WT	G				2			2										X					X			X			24020002-012
5	G214	WT	G																									X			N/A
6	G215	WT	G				2			2										X					X			X			24020002-013
7	G216	WT	G																									X			N/A
8	G217	WT	G				2													X					X			X			24020002-014
9	G218	WT	G				2			2										X					X			X			24020002-015
10	G270	WT	G	2-19-24	1156		2			2									X		X			X		X	X	X			24020002-016
11	G271	WT	G	2-19-24	1220		2			2											X					X		X			24020002-017
12	G272	WT	G	2-19-24	1251																							X			N/A
13	G273	WT	G	2-19-24	1318		2			2											X					X		X			24020002-018
14	G274	WT	G	2-19-24	1345																							X			N/A
15	G275	WT	G	2-19-24	1421		2			2											X					X		X			24020002-019
16	G275D	WT	G	2-19-24	1405		2			2											X					X		X			24020002-020

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q1 Rev 1	J. Colp	2-19	1640	Samantha Davies	2/19/24	1640				
Ra226/228, only										

G271 bottles are labeled G272
G272 bottles are labeled G271
Brett filled the wrong bottles

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	2-19-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: 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: 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	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	G276	WT	G				2			2										X						X		X			24020002-021
2	G277	WT	G				2			2										X						X		X			24020002-022
3	G278	WT	G																									X			N/A
4	G279	WT	G				2			2										X						X	X	X			24020002-023
5	G280	WT	G				2			2								X		X				X		X	X	X			24020002-024
6	G281	WT	G				2			2							X	X					X	X			X				24020002-025
7	G283	WT	G				2			2										X						X					24020002-026
8	G284	WT	G				2			2										X						X					24020002-027
9	G285	WT	G				2			2										X						X					24020002-028
10	G301	WT	G	2/19/24	1203		2			2							X						X								24020002-029
11	G302	WT	G	2/19/24	1327		2			2							X						X								24020002-030
12	G303	WT	G				2			2							X						X								24020002-031
13	G305	WT	G	2/19/24	1456		2			2							X						X								24020002-032
14	G306	WT	G				2			2							X						X								24020002-033
15	G307	WT	G				2			2							X						X								24020002-034
16	G307D	WT	G				2			2							X						X								24020002-035

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-19	1640	Shawn Gillette	2/20/24	1640	
Ra226/228, only							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 2-19-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24020002

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		

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	G308		WT	G				2			2						X						X								24020002-036
2	G310		WT	G	2/19/24	1124		2			2						X						X								24020002-037
3	G312		WT	G	2/19/24	1411		2			2						X						X								24020002-038
4	G313		WT	G				2			2						X						X								24020002-039
5	G314		WT	G				2			2						X						X								24020002-040
6	G314D		WT	G				2			2						X						X								24020002-041
7	G315		WT	G				2			2						X						X								24020002-042
8	G316		WT	G				2			2						X						X								24020002-043
9	G401		WT	G				2			2							X							X			X				24020002-044
10	G402		WT	G				2			2							X							X			X				24020002-045
11	G403		WT	G				2			2							X							X			X				24020002-046
12	G404		WT	G				2			2							X							X			X				24020002-047
13	G405		WT	G				2			2							X							X			X				24020002-048
14	G406		WT	G				2			2							X							X			X				24020002-049
15	G407		WT	G				2			2							X							X			X				24020002-050
16	G410		WT	G				2			2																	X				24020002-051

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q1 Rev 1	J. Colp	2-19	1640		2/19/24	1640				
Ra226/228, only							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:		DATE Signed (MM/DD/YY): 2-19-24

24020002

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	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	G411		WT	G				2			2															X				24020002-052
2	L201		WT	G																		X								N/A
3	L202		WT	G																		X								N/A
4	L203		WT	G																		X								N/A
5	NE Riser		WT	G																X					X						N/A
6	R104		WT	G																			X					X			N/A
7	R201		WT	G				2			2									X		X			X			X			24020002-053
8	R205		WT	G																								X			N/A
9	SG-02		WT	G														X	X					X	X						N/A
10	SG-03		WT	G														X	X					X	X						N/A
11	T127		WT	G																		X	X								N/A
12	T128		WT	G																			X								N/A
13	X201		WT	G																	X					X					N/A
14	XPW01		WT	G	2/19/24	1048												X						X							N/A
15	XPW02		WT	G	2/19/24													X						X							N/A
16	XSG-01		WT	G														X						X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q1 Rev 1	J. Colp	2-19	1640		2/19/24	1640				
Ra226/228, 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): 2-19-24				

24020002

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	Field Blank	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-054
2	G102 Duplicate	WT	G																		X	X						X			N/A
3	G200 Duplicate	WT	G				2			2									X		X				X			X			24020002-055
4	G273 Duplicate	WT	G	7-19-24	1318		2			2										X						X		X			24020002-056
5	G301 Duplicate	WT	G	2/19/24	1204		2			2							X						X					X			24020002-057
6	R201 Duplicate	WT	G				2			2									X		X				X			X			24020002-058
7	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-059
8	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-060
9	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-061
10																															
11																															
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-19	1640	Jamie Quick	2/19/24	1640	
Ra226/228, only							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	2-19-24	Temp in °C	Received on Ice (Y/N) Y
				Custody Sealed Cooler (Y/N)	N
				Samples Intact (Y/N)	

24020002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:

Company:	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

LTG#7

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G276	WT	G	2-20-24	0921		2			2										X						X		X			24020002-021
2	G277	WT	G	2-20-24	0940		2			2										X						X		X			24020002-022
3	G278	WT	G																									X			N/A
4	G279	WT	G	2-20-24	1025		2			2										X						X	X	X			24020002-023
5	G280	WT	G	2-20-24	1110		2			2								X		X				X		X	X	X			24020002-024
6	G281	WT	G				2			2							X	X					X	X			X				24020002-025
7	G283	WT	G				2			2										X						X					24020002-026
8	G284	WT	G	2/20/24	1426		2			2										X						X					24020002-027
9	G285	WT	G	2/20/24	1317		2			2										X						X					24020002-028
10	G301	WT	G				2			2							X						X								24020002-029
11	G302	WT	G				2			2							X						X								24020002-030
12	G303	WT	G				2			2							X						X								24020002-031
13	G305	WT	G				2			2							X						X								24020002-032
14	G306	WT	G				2			2							X						X								24020002-033
15	G307	WT	G				2			2							X						X								24020002-034
16	G307D	WT	G				2			2							X						X								24020002-035

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-20	1635	Nick Rodd	2/20/24	1635	—
Ra226/228, only							—

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 2-20-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
⊙	N		

pH 9.07 SU
* added HNO3 (96331)

LH 2/20/24

24020002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A Required Client Information

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

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	G308	WT	G				2			2							X						X								24020002-036
2	G310	WT	G				2			2							X						X								24020002-037
3	G312	WT	G				2			2							X						X								24020002-038
4	G313	WT	G				2			2							X						X								24020002-039
5	G314	WT	G				2			2							X						X								24020002-040
6	G314D	WT	G				2			2							X						X								24020002-041
7	G315	WT	G				2			2							X						X								24020002-042
8	G316	WT	G				2			2							X						X								24020002-043
9	G401	WT	G				2			2								X						X			X				24020002-044
10	G402	WT	G				2			2								X						X			X				24020002-045
11	G403	WT	G				2			2								X						X			X				24020002-046
12	G404	WT	G				2			2								X						X			X				24020002-047
13	G405	WT	G				2			2								X						X			X				24020002-048
14	G406	WT	G				2			2								X						X			X				24020002-049
15	* G407	WT	G	2/20/24	1015		2			2								X						X			X				24020002-050
16	* G410	WT	G	2/20/24	1119		2			2																	X				24020002-051

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-20	1635	Nish Reed	2/20/24	1635	
Ra226/228, only							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp DATE Signed (MM/DD/YY): 2-20-24

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

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Page: 6 of 7

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane
	Coffeen, IL 62017
Email To:	Shan.Vo tker@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	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	* G411	WT	G	~~2-20~~ 2-20-24	1213		2			2																	X				24020002-052
2	L201	WT	G																			X									N/A
3	L202	WT	G																			X									N/A
4	L203	WT	G																			X									N/A
5	NE Riser	WT	G																	X						X					N/A
6	R104	WT	G		1405																		X					X			N/A
7	* R201 * JC	WT	G	2-20-24	~~0847~~		2			2										X		X				X		X			24020002-053
8	R205	WT	G																									X			N/A
9	SG-02	WT	G															X	X					X	X						N/A
10	SG-03	WT	G															X	X					X	X						N/A
11	T127	WT	G	2-20-24	1258																	X	X								N/A
12	T128	WT	G																				X								N/A
13	X201	WT	G	2-20-24	0847																X						X				N/A
14	XPW01	WT	G															X						X							N/A
15	XPW02	WT	G															X						X							N/A
16	XSG-01	WT	G															X						X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-20	1635	Mike Reed	2/20/24	1635	
Ra226/228, only							

* R201 - Filter in lab JC

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-20-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24020002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane
	Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	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	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	Field Blank	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-054
2	G102 Duplicate	WT	G																		X	X						X			N/A
3	G200 Duplicate	WT	G				2			2									X		X				X			X			24020002-055
4	G273 Duplicate	WT	G				2			2										X						X		X			24020002-056
5	G301 Duplicate	WT	G				2			2							X						X								24020002-057
6	* R201 Duplicate	WT	G	2-20-24	1405		2			2									X		X				X			X			24020002-058
7	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-059
8	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-060
9	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-061
10																															
11																															
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-20	1635	Micah Reed	2/20/24	1635	Y / N
Ra226/228, only							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: Justin Colp

DATE Signed (MM/DD/YY): 2-20-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24020002

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

Requested Analysis Filtered (Y/N)

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	AP2D	WT	G	2-21-24	1454														X					X							N/A
2	G1001	WT	G			2				2									X					X							24020002-001
3	G1003	WT	G	2-21-24	DRY														X					X							N/A
4	G101	WT	G																				X								N/A
5	G102	WT	G																			X	X					X			N/A
6	G103	WT	G																				X					X			N/A
7	G105	WT	G																				X					X			N/A
8	G106	WT	G																			X	X					X			N/A
9	G107	WT	G																				X								N/A
10	G108	WT	G																				X								N/A
11	G109	WT	G																				X								N/A
12	G110	WT	G																			X	X								N/A
13	G111	WT	G																				X								N/A
14	G119	WT	G																				X								N/A
15	G120	WT	G																			X	X								N/A
16	G121	WT	G																				X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1	J. Colp	2-21	1635	[signature]	2/21/24	1035	10.3	>	N	Y
Ra226/228, only							UGS			

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): 2-21-24				

ph ✓ 90719 added HNO3 (96331) to all ES 2/21/24

Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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	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	G122	WT	G																		X									N/A
2	G123	WT	G																		X									N/A
3	G124	WT	G																		X									N/A
4	G125	WT	G																	X	X									N/A
5	G126	WT	G																		X									N/A
6	G151	WT	G				2			2																		X		24020002-002
7	G152	WT	G				2			2																		X		24020002-003
8	G153	WT	G				2			2																		X		24020002-004
9	G154	WT	G				2			2																X		X		24020002-005
10	G155	WT	G				2			2																		X		24020002-006
11	G200	WT	G	2-21-24	0903		2			2									X		X				X		X			24020002-007
12	G206	WT	G				2			2									X						X		X			24020002-008
13	G206D	WT	G				2			2									X						X					24020002-009
14	G207	WT	G																								X			N/A
15	G208	WT	G																								X			N/A
16	G209	WT	G				2			2									X						X		X			24020002-010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J Colp	2-21	1635	[illegible]	2/21/24	1635	
Ra226/228, only							

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	2-21-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24020002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	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

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	G276	WT	G				2			2										X					X		X			24020002-021
2	G277	WT	G				2			2										X					X		X			24020002-022
3	G278	WT	G																								X			N/A
4	G279	WT	G				2			2										X					X	X	X			24020002-023
5	G280	WT	G				2			2								X		X				X		X	X	X			24020002-024
6	G281	WT	G				2			2							X	X					X	X			X				24020002-025
7	G283	WT	G	2-21-24	1008		2			2										X					X						24020002-026
8	G284	WT	G				2			2										X					X						24020002-027
9	G285	WT	G				2			2										X					X						24020002-028
10	G301	WT	G				2			2							X						X								24020002-029
11	G302	WT	G				2			2							X						X								24020002-030
12	G303	WT	G				2			2							X						X								24020002-031
13	G305	WT	G				2			2							X						X								24020002-032
14	G306	WT	G				2			2							X						X								24020002-033
15	G307	WT	G				2			2							X						X								24020002-034
16	G307D	WT	G				2			2							X						X								24020002-035

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-21	1635	[illegible]	2/21/24	1635	
Ra226/228, only							

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	2-21-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24020002

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	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

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	G308	WT	G				2			2							X						X								24020002-036
2	G310	WT	G				2			2							X						X								24020002-037
3	G312	WT	G				2			2							X						X								24020002-038
4	G313	WT	G				2			2							X						X								24020002-039
5	G314	WT	G				2			2							X						X								24020002-040
6	G314D	WT	G				2			2							X						X								24020002-041
7	G315	WT	G				2			2							X						X								24020002-042
8	G316	WT	G				2			2							X						X								24020002-043
9	G401	WT	G	2-21-24	1246		2			2								X						X			X				24020002-044
10	G402	WT	G	2-21-24	1344		2			2								X						X			X				24020002-045
11	G403	WT	G	2-21-24	1143		2			2								X						X			X				24020002-046
12	G404	WT	G	2-21-24	1037		2			2								X						X			X				24020002-047
13	G405	WT	G	2-21-24	1109		2			2								X						X			X				24020002-048
14	G406	WT	G	2-21-24	1211		2			2								X						X			X				24020002-049
15	G407	WT	G				2			2								X						X			X				24020002-050
16	G410	WT	G				2			2																	X				24020002-051

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q1 Rev 1	J. Colp	2-21	1635	Orion Quails	2/21/24	1635
Ra226/228, 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): 2-21-24

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	REGULATORY AGENCY
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	NPDES GROUND WATER DRINKING WATER
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A	UST RCRA OTHER
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:	
Phone: (217) 753-8911 Fax:	Project Name:	Project Manager:	Site Location STATE: IL
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:	

Section D Required Client Information

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 #	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	~~G411~~	WT	G				2			2																X				24020002-052
2	L201	WT	G																		X									N/A
3	L202	WT	G																		X									N/A
4	L203	WT	G																		X									N/A
5	NE Riser	WT	G	2-21-24	1425														X					X						N/A
6	R104	WT	G																			X					X			N/A
7	~~R201~~	WT	G				2			2									X		X				X		X			24020002-053
8	R205	WT	G																								X			N/A
9	SG-02	WT	G														X	X					X	X						N/A
10	SG-03	WT	G														X	X					X	X						N/A
11	T127	WT	G																		X	X								N/A
12	T128	WT	G																			X								N/A
13	X201	WT	G																	X						X				N/A
14	XPW01	WT	G														X						X							N/A
15	XPW02	WT	G														X						X							N/A
16	XSG-01	WT	G														X						X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-21	1635	[illegible]	2/21/24	1635	
Ra226/228, 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): 2-21-24				

24020002

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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	~~Field Blank~~	WT	G	2-21-24	1503		2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			24020002-054
2	G102 Duplicate	WT	G				2														X	X					X				N/A
3	~~G200 Duplicate~~	WT	G	2-21-24	0903		2			2									X		X				X		X				24020002-055
4	~~G273 Duplicate~~	WT	G				2			2										X						X	X				24020002-056
5	~~G301 Duplicate~~	WT	G				2			2							X						X								24020002-057
6	~~R201 Duplicate~~	WT	G				2			2									X		X				X		X				24020002-058
7	~~Equipment Blank 1~~	WT	G	2-21-24	1458		2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			24020002-059
8	~~Equipment Blank 2~~	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			24020002-060
9	~~Equipment Blank 3~~	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			24020002-061
10																															
11																															
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	>	≥	
COF-24Q1 Rev 1	J. Colp	2-21	1635	Jordan Riddle	2/21/24	1635				
Ra226/228, only										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-21-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

24020002

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	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	G411	WT	G				2			2																X				24020002-052
2	L201	WT	G	2-22-24	0956																X									N/A
3	L202	WT	G	2-22-24	0950																X									N/A
4	L203	WT	G	2-22-24	1004																X									N/A
5	NE Riser	WT	G																X					X						N/A
6	R104	WT	G																			X					X			N/A
7	R201	WT	G				2			2									X		X				X		X			24020002-053
8	R205	WT	G																								X			N/A
9	SG-02	WT	G														X	X					X	X						N/A
10	SG-03	WT	G														X	X					X	X						N/A
11	T127	WT	G																		X	X								N/A
12	T128	WT	G																			X								N/A
13	X201	WT	G																	X						X				N/A
14	XPW01	WT	G														X						X							N/A
15	XPW02	WT	G														X						X							N/A
16	XSG-01	WT	G														X						X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1	J. Colp	2-22	1300	[signature]	2/22/24	1300	Y / N
Ra226/228, only							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-22-24 12:20

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

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JOB DESCRIPTION

Radium-226 and Radium-228
24020002

JOB NUMBER

160-53264-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

my EOL

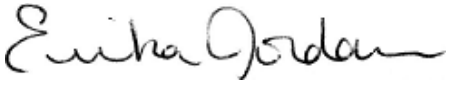
Eurofins St. Louis

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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Revision 1

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

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CASE NARRATIVE

Client: TekLab, Inc

Project: 24020002

Report Number: 160-53264-1 Revision 1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

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.

Revision
The report has been revised to correct a transcription error on the chain-of-custody (COC). The collection time for sample 24020002-026 should be 10:11, rather than 10:08.

Receipt
The samples were received on 2/23/2024 12:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 6 coolers at receipt time were 17.7°C, 17.9°C, 17.9°C, 18.1°C, 18.1°C and 18.4°C.

Client provided a revised chain-of-custody (COC) to correct a sample time error for sample 24020002-057. The revised COC is included with the original sign COC.

Method 903.0 - Radium-226 (GFPC)
Samples 24020002-001 (160-53264-1), 24020002-002 (160-53264-2), 24020002-003 (160-53264-3), 24020002-004 (160-53264-4), 24020002-005 (160-53264-5), 24020002-006 (160-53264-6), 24020002-007 (160-53264-7), 24020002-008 (160-53264-8), 24020002-009 (160-53264-9), 24020002-010 (160-53264-10), 24020002-011 (160-53264-11), 24020002-012 (160-53264-12), 24020002-013 (160-53264-13), 24020002-014 (160-53264-14), 24020002-015 (160-53264-15), 24020002-016

Job ID: 160-53264-1 (Continued) Eurofins St. Louis

(160-53264-16), 24020002-017 (160-53264-17), 24020002-018 (160-53264-18), 24020002-019 (160-53264-19), 24020002-020 (160-53264-20), 24020002-021 (160-53264-21), 24020002-022 (160-53264-22), 24020002-023 (160-53264-23), 24020002-024 (160-53264-24), 24020002-025 (160-53264-25), 24020002-026 (160-53264-26), 24020002-027 (160-53264-27), 24020002-028 (160-53264-28), 24020002-029 (160-53264-29), 24020002-030 (160-53264-30), 24020002-031 (160-53264-31), 24020002-032 (160-53264-32), 24020002-033 (160-53264-33), 24020002-034 (160-53264-34), 24020002-035 (160-53264-35), 24020002-036 (160-53264-36), 24020002-037 (160-53264-37), 24020002-038 (160-53264-38), 24020002-039 (160-53264-39), 24020002-040 (160-53264-40), 24020002-041 (160-53264-41), 24020002-042 (160-53264-42), 24020002-043 (160-53264-43), 24020002-044 (160-53264-44), 24020002-045 (160-53264-45), 24020002-046 (160-53264-46), 24020002-047 (160-53264-47), 24020002-048 (160-53264-48), 24020002-049 (160-53264-49), 24020002-050 (160-53264-50), 24020002-051 (160-53264-51), 24020002-052 (160-53264-52), 24020002-053 (160-53264-53), 24020002-054 (160-53264-54), 24020002-055 (160-53264-55), 24020002-056 (160-53264-56), 24020002-057 (160-53264-57), 24020002-058 (160-53264-58) and 24020002-059 (160-53264-59) were analyzed for Radium-226 (GFPC). The samples were prepared on 2/27/2024 and analyzed on 3/20/2024.

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 24020002-001 (160-53264-1), 24020002-002 (160-53264-2), 24020002-003 (160-53264-3), 24020002-004 (160-53264-4), 24020002-005 (160-53264-5), 24020002-006 (160-53264-6), 24020002-007 (160-53264-7), 24020002-008 (160-53264-8), 24020002-009 (160-53264-9), 24020002-010 (160-53264-10), 24020002-011 (160-53264-11), 24020002-012 (160-53264-12), 24020002-013 (160-53264-13), 24020002-014 (160-53264-14), 24020002-015 (160-53264-15), 24020002-016 (160-53264-16), 24020002-017 (160-53264-17), 24020002-018 (160-53264-18), 24020002-019 (160-53264-19), 24020002-020 (160-53264-20), 24020002-021 (160-53264-21), 24020002-022 (160-53264-22), 24020002-023 (160-53264-23), 24020002-024 (160-53264-24), 24020002-025 (160-53264-25), 24020002-026 (160-53264-26), 24020002-027 (160-53264-27), 24020002-028 (160-53264-28), 24020002-029 (160-53264-29), 24020002-030 (160-53264-30), 24020002-031 (160-53264-31), 24020002-032 (160-53264-32), 24020002-033 (160-53264-33), 24020002-034 (160-53264-34), 24020002-035 (160-53264-35), 24020002-036 (160-53264-36), 24020002-037 (160-53264-37), 24020002-038 (160-53264-38), 24020002-039 (160-53264-39), 24020002-040 (160-53264-40), 24020002-041 (160-53264-41), 24020002-042 (160-53264-42), 24020002-043 (160-53264-43), 24020002-044 (160-53264-44), 24020002-045 (160-53264-45), 24020002-046 (160-53264-46), 24020002-047 (160-53264-47), 24020002-048 (160-53264-48), 24020002-049 (160-53264-49), 24020002-050 (160-53264-50), 24020002-051 (160-53264-51), 24020002-052 (160-53264-52), 24020002-053 (160-53264-53), 24020002-054 (160-53264-54), 24020002-055 (160-53264-55), 24020002-056 (160-53264-56), 24020002-057 (160-53264-57), 24020002-058 (160-53264-58) and 24020002-059 (160-53264-59) were analyzed for Radium-228 (GFPC). The samples were prepared on 2/27/2024 and analyzed on 3/12/2024, 3/13/2024, 3/14/2024 and 3/15/2024.

Batch 160-649958
The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24020002-003 (160-53264-3) and 24020002-006 (160-53264-6). Analytical results are reported with the detection limit achieved.

Batch 160-649964
The sample duplicate (DUP) precision was outside the control limits. However the original sample and DUP activity is below the MDC / RL making the measurement of precision less critical. The lab does not believe this discrepancy to have a negative impact on the data being reported. (160-53264-B-59-B DU)

The yttrium carrier recovery was outside the upper QC limit in the associated sample. The samples have been truncated to 100% to reduce any potential bias a high carrier recovery may have. The data have been qualified and reported. 24020002-059 (160-53264-59)

Batch 160-649962
The detection goal was not met for the following sample due to the reduction of sample required by the presence of matrix interferences: 24020002-045 (160-53264-45). Analytical results are reported with the detection limit achieved.

Batch 160-649960
The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24020002-021 (160-53264-21), 24020002-024 (160-53264-24), 24020002-025 (160-53264-25) and 24020002-034 (160-53264-34) . 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

Job ID: 160-53264-1 (Continued) Eurofins St. Louis

Samples 24020002-001 (160-53264-1), 24020002-005 (160-53264-5), 24020002-007 (160-53264-7), 24020002-008 (160-53264-8), 24020002-009 (160-53264-9), 24020002-010 (160-53264-10), 24020002-011 (160-53264-11), 24020002-012 (160-53264-12), 24020002-013 (160-53264-13), 24020002-014 (160-53264-14), 24020002-015 (160-53264-15), 24020002-016 (160-53264-16), 24020002-017 (160-53264-17), 24020002-018 (160-53264-18), 24020002-019 (160-53264-19), 24020002-020 (160-53264-20), 24020002-021 (160-53264-21), 24020002-022 (160-53264-22), 24020002-023 (160-53264-23), 24020002-024 (160-53264-24), 24020002-025 (160-53264-25), 24020002-026 (160-53264-26), 24020002-027 (160-53264-27), 24020002-028 (160-53264-28), 24020002-029 (160-53264-29), 24020002-030 (160-53264-30), 24020002-031 (160-53264-31), 24020002-032 (160-53264-32), 24020002-033 (160-53264-33), 24020002-034 (160-53264-34), 24020002-035 (160-53264-35), 24020002-036 (160-53264-36), 24020002-037 (160-53264-37), 24020002-038 (160-53264-38), 24020002-039 (160-53264-39), 24020002-040 (160-53264-40), 24020002-041 (160-53264-41), 24020002-042 (160-53264-42), 24020002-043 (160-53264-43), 24020002-044 (160-53264-44), 24020002-045 (160-53264-45), 24020002-046 (160-53264-46), 24020002-047 (160-53264-47), 24020002-048 (160-53264-48), 24020002-049 (160-53264-49), 24020002-050 (160-53264-50), 24020002-051 (160-53264-51), 24020002-052 (160-53264-52), 24020002-053 (160-53264-53), 24020002-054 (160-53264-54), 24020002-055 (160-53264-55), 24020002-056 (160-53264-56), 24020002-057 (160-53264-57), 24020002-058 (160-53264-58) and 24020002-059 (160-53264-59) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 3/21/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Project# 24020002

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
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: 35742 | Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228									
	24020002-001	2/15/24 1323	HNO3	Groundwater	✔											
	24020002-002	2/19/24 0911	HNO3	Groundwater		✔	✔									
	24020002-003	2/19/24 1109	HNO3	Groundwater		✔	✔									
	24020002-004	2/19/24 1009	HNO3	Groundwater		✔	✔									
	24020002-005	2/19/24 0948	HNO3	Groundwater	✔	✔	✔									
	24020002-006	2/16/24 1037	HNO3	Groundwater		✔	✔									
	24020002-007	2/21/24 0903	HNO3	Groundwater	✔											
	24020002-008	2/13/24 1144	HNO3	Groundwater	✔											
	24020002-009	2/16/24 0931	HNO3	Groundwater	✔											
	24020002-010	2/13/24 1030	HNO3	Groundwater	✔											
	24020002-011	2/14/24 1017	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	2/23/24		

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Collinsville, IL 62234

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Project# 24020002

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35742 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228										
	24020002-012	2/14/24 0955	HNO3	Groundwater	✔												
	24020002-013	2/13/24 1412	HNO3	Groundwater	✔												
	24020002-014	2/13/24 1240	HNO3	Groundwater	✔												
	24020002-015	2/13/24 1211	HNO3	Groundwater	✔												
	24020002-016	2/19/24 1156	HNO3	Groundwater	✔												
	24020002-017	2/19/24 1220	HNO3	Groundwater	✔												
	24020002-018	2/19/24 1318	HNO3	Groundwater	✔												
	24020002-019	2/19/24 1421	HNO3	Groundwater	✔												
	24020002-020	2/19/24 1405	HNO3	Groundwater	✔												
	24020002-021	2/20/24 0921	HNO3	Groundwater	✔												
	24020002-022	2/20/24 0940	HNO3	Groundwater	✔												

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	2/23/24		

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Teklab Inc
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Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Project# 24020002

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228										
	24020002-023	2/20/24 1025	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-024	2/20/24 1110	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-025	2/15/24 1422	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-026	2/21/24 1008	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-027	2/20/24 1426	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-028	2/20/24 1318	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-029	2/19/24 1203	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-030	2/19/24 1327	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-031	2/14/24 1023	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-032	2/19/24 1456	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-033	2/14/24 1135	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
Lmon Osorio	2/23/24		

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TEKLAB, INC. Chain of Custody

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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: Teklab, Inc. | QC Level: 2

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

Project# 24020002

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35742 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228										
	24020002-034	2/14/24 1458	HNO3	Groundwater	✔												
	24020002-035	2/14/24 1342	HNO3	Groundwater	✔												
	24020002-036	2/16/24 1004	HNO3	Groundwater	✔												
	24020002-037	2/19/24 1124	HNO3	Groundwater	✔												
	24020002-038	2/19/24 1411	HNO3	Groundwater	✔												
	24020002-039	2/13/24 1419	HNO3	Groundwater	✔												
	24020002-040	2/13/24 1311	HNO3	Groundwater	✔												
	24020002-041	2/13/24 1220	HNO3	Groundwater	✔												
	24020002-042	2/14/24 1245	HNO3	Groundwater	✔												
	24020002-043	2/13/24 1131	HNO3	Groundwater	✔												
	24020002-044	2/21/24 1246	HNO3	Groundwater	✔												

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Erika Oleson	2/23/24		

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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: Teklab, Inc. | QC Level: 2

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Project# 24020002

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35742 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228										
	24020002-045	2/21/24 1344	HNO3	Groundwater	✔												
	24020002-046	2/21/24 1143	HNO3	Groundwater	✔												
	24020002-047	2/21/24 1037	HNO3	Groundwater	✔												
	24020002-048	2/21/24 1109	HNO3	Groundwater	✔												
	24020002-049	2/21/24 1211	HNO3	Groundwater	✔												
	24020002-050	2/20/24 1015	HNO3	Groundwater	✔												
	24020002-051	2/20/24 1118	HNO3	Groundwater	✔												
	24020002-052	2/20/24 1213	HNO3	Groundwater	✔												
	24020002-053	2/20/24 1405	HNO3	Groundwater	✔												
	24020002-054	2/21/24 1503	HNO3	Aqueous	✔	✔	✔										
	24020002-055	2/21/24 0903	HNO3	Groundwater	✔												

*Relinquished By	Date/Time	Received By	Date/Time
Tina Quails	2/23/24		

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TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Project# 24020002

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
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: 35742 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228										
	24020002-056	2/19/24 1318	HNO3	Groundwater	✔												
	24020002-057	2/19/24 1204	HNO3	Groundwater	✔												
	24020002-058	2/20/24 1405	HNO3	Groundwater	✔												
	24020002-059	2/21/24 1458	HNO3 Aqueous	~~Groundwater~~	✔	✔	✔										
			HNO3	Aqueous													
			HNO3	Aqueous													
			HNO3	Groundwater													
			HNO3	Groundwater													
			HNO3	Groundwater													
			HNO3	Groundwater													
			HNO3	Groundwater													

*Relinquished By	Date/Time	Received By	Date/Time
	2/23/24		

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TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
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Project# 24020002

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 35742 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228
	24020002-001	2/15/24 1323	HNO3	Groundwater	✓		
	24020002-002	2/19/24 0911	HNO3	Groundwater		✓	✓
	24020002-003	2/19/24 1109	HNO3	Groundwater		✓	✓
	24020002-004	2/19/24 1009	HNO3	Groundwater		✓	✓
	24020002-005	2/19/24 0948	HNO3	Groundwater	✓	✓	✓
	24020002-006	2/16/24 1037	HNO3	Groundwater		✓	✓
	24020002-007	2/21/24 0903	HNO3	Groundwater	✓		
	24020002-008	2/13/24 1144	HNO3	Groundwater	✓		
	24020002-009	2/16/24 0931	HNO3	Groundwater	✓		
	24020002-010	2/13/24 1030	HNO3	Groundwater	✓		
	24020002-011	2/14/24 1017	HNO3	Groundwater	✓		

160-53264 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
[illegible]	2/23/24 1049	Sierra Worthington	2/23/24 1049
[illegible]	2/23/24 1220		2/23/24 1220

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SubCocRevA 3/2/2016

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COFFEEN POWER PLANT, ASH POND NO. 2
COF-257-102
APPENDIX A.

3/22/2024 (Rev. 1)

TEKLAB, INC. Chain of Custody

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

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Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

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Project# 24020002

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Requested Due Date: Standad TAT | Billing/PO: 35742 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228										
	24020002-012	2/14/24 0955	HNO3	Groundwater	✔												
	24020002-013	2/13/24 1412	HNO3	Groundwater	✔												
	24020002-014	2/13/24 1240	HNO3	Groundwater	✔												
	24020002-015	2/13/24 1211	HNO3	Groundwater	✔												
	24020002-016	2/19/24 1156	HNO3	Groundwater	✔												
	24020002-017	2/19/24 1220	HNO3	Groundwater	✔												
	24020002-018	2/19/24 1318	HNO3	Groundwater	✔												
	24020002-019	2/19/24 1421	HNO3	Groundwater	✔												
	24020002-020	2/19/24 1405	HNO3	Groundwater	✔												
	24020002-021	2/20/24 0921	HNO3	Groundwater	✔												
	24020002-022	2/20/24 0940	HNO3	Groundwater	✔												

*Relinquished By	Date/Time	Received By	Date/Time
	2/23/24 1048		2/23/24 1048
	2/23/24 1220	Suma Worthington	2/23/24 1220

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228										
	24020002-023	2/20/24 1025	HNO3	Groundwater	✔												
	24020002-024	2/20/24 1110	HNO3	Groundwater	✔												
	24020002-025	2/15/24 1422	HNO3	Groundwater	✔												
	24020002-026	2/21/24 1008	HNO3	Groundwater	✔												
	24020002-027	2/20/24 1426	HNO3	Groundwater	✔												
	24020002-028	2/20/24 1318	HNO3	Groundwater	✔												
	24020002-029	2/19/24 1203	HNO3	Groundwater	✔												
	24020002-030	2/19/24 1327	HNO3	Groundwater	✔												
	24020002-031	2/14/24 1023	HNO3	Groundwater	✔												
	24020002-032	2/19/24 1456	HNO3	Groundwater	✔												
	24020002-033	2/14/24 1135	HNO3	Groundwater	✔												

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	2/23/24 1220	Sierra Worthington	2/23/24 1220

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228										
	24020002-034	2/14/24 1458	HNO3	Groundwater	✔												
	24020002-035	2/14/24 1342	HNO3	Groundwater	✔												
	24020002-036	2/16/24 1004	HNO3	Groundwater	✔												
	24020002-037	2/19/24 1124	HNO3	Groundwater	✔												
	24020002-038	2/19/24 1411	HNO3	Groundwater	✔												
	24020002-039	2/13/24 1419	HNO3	Groundwater	✔												
	24020002-040	2/13/24 1311	HNO3	Groundwater	✔												
	24020002-041	2/13/24 1220	HNO3	Groundwater	✔												
	24020002-042	2/14/24 1245	HNO3	Groundwater	✔												
	24020002-043	2/13/24 1131	HNO3	Groundwater	✔												
	24020002-044	2/21/24 1246	HNO3	Groundwater	✔												

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	2/23/24 1220	Sierra Worthington	2/23/24 1220

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Lab Use	Sampie ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228										
	24020002-045	2/21/24 1344	HNO3	Groundwater	✔												
	24020002-046	2/21/24 1143	HNO3	Groundwater	✔												
	24020002-047	2/21/24 1037	HNO3	Groundwater	✔												
	24020002-048	2/21/24 1109	HNO3	Groundwater	✔												
	24020002-049	2/21/24 1211	HNO3	Groundwater	✔												
	24020002-050	2/20/24 1015	HNO3	Groundwater	✔												
	24020002-051	2/20/24 1118	HNO3	Groundwater	✔												
	24020002-052	2/20/24 1213	HNO3	Groundwater	✔												
	24020002-053	2/20/24 1405	HNO3	Groundwater	✔												
	24020002-054	2/21/24 1503	HNO3	Aqueous	✔	✔	✔										
	24020002-055	2/21/24 0903	HNO3	Groundwater	✔												

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	2/23/24 1049	[signature] Sierra Worthington	2/23/24 1049
	2/23/24 1220		2/23/24 1220

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Project# 24020002

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	24020002-056	2/19/24 1318	HNO3	Groundwater	✔												
	24020002-057	2/19/24 1204	HNO3	Groundwater	✔												
	24020002-058	2/20/24 1405	HNO3	Groundwater	✔												
	24020002-059	2/21/24 1458	HNO3 Aqueous	~~Groundwater~~	✔	✔	✔										
			HNO3	Aqueous EFH 2/23/24													
			HNO3	Aqueous													
			HNO3	Groundwater													
			HNO3	Groundwater													
			HNO3	Groundwater													
			HNO3	Groundwater													
			HNO3	Groundwater													

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	2/23/24 1044	[signature]	2/23/24 1044
[signature]	2/23/24 1220	Sierra Worthington	2/23/24 1220

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
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APPENDIX A.

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-53264-1
SDG Number: 24020002

Login Number: 53264
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Qualifiers

Rad

Qualifier	Qualifier Description
F	Duplicate RPD exceeds the control limit
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.
X	Carrier is outside acceptance limits.

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

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: 160-53264-1
SDG: 24020002

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-53264-1	24020002-001	Water	02/15/24 13:23	02/23/24 12:20
160-53264-2	24020002-002	Water	02/19/24 09:11	02/23/24 12:20
160-53264-3	24020002-003	Water	02/19/24 11:09	02/23/24 12:20
160-53264-4	24020002-004	Water	02/19/24 10:09	02/23/24 12:20
160-53264-5	24020002-005	Water	02/19/24 09:48	02/23/24 12:20
160-53264-6	24020002-006	Water	02/16/24 10:37	02/23/24 12:20
160-53264-7	24020002-007	Water	02/21/24 09:03	02/23/24 12:20
160-53264-8	24020002-008	Water	02/13/24 11:44	02/23/24 12:20
160-53264-9	24020002-009	Water	02/16/24 09:31	02/23/24 12:20
160-53264-10	24020002-010	Water	02/13/24 10:30	02/23/24 12:20
160-53264-11	24020002-011	Water	02/14/24 10:17	02/23/24 12:20
160-53264-12	24020002-012	Water	02/14/24 09:55	02/23/24 12:20
160-53264-13	24020002-013	Water	02/13/24 14:12	02/23/24 12:20
160-53264-14	24020002-014	Water	02/13/24 12:40	02/23/24 12:20
160-53264-15	24020002-015	Water	02/13/24 12:11	02/23/24 12:20
160-53264-16	24020002-016	Water	02/19/24 11:56	02/23/24 12:20
160-53264-17	24020002-017	Water	02/19/24 12:20	02/23/24 12:20
160-53264-18	24020002-018	Water	02/19/24 13:18	02/23/24 12:20
160-53264-19	24020002-019	Water	02/19/24 14:21	02/23/24 12:20
160-53264-20	24020002-020	Water	02/19/24 14:05	02/23/24 12:20
160-53264-21	24020002-021	Water	02/20/24 09:21	02/23/24 12:20
160-53264-22	24020002-022	Water	02/20/24 09:40	02/23/24 12:20
160-53264-23	24020002-023	Water	02/20/24 10:25	02/23/24 12:20
160-53264-24	24020002-024	Water	02/20/24 11:10	02/23/24 12:20
160-53264-25	24020002-025	Water	02/15/24 14:22	02/23/24 12:20
160-53264-26	24020002-026	Water	02/21/24 10:11	02/23/24 12:20
160-53264-27	24020002-027	Water	02/20/24 14:26	02/23/24 12:20
160-53264-28	24020002-028	Water	02/20/24 13:18	02/23/24 12:20
160-53264-29	24020002-029	Water	02/19/24 12:03	02/23/24 12:20
160-53264-30	24020002-030	Water	02/19/24 13:27	02/23/24 12:20
160-53264-31	24020002-031	Water	02/14/24 10:23	02/23/24 12:20
160-53264-32	24020002-032	Water	02/19/24 14:56	02/23/24 12:20
160-53264-33	24020002-033	Water	02/14/24 11:35	02/23/24 12:20
160-53264-34	24020002-034	Water	02/14/24 14:58	02/23/24 12:20
160-53264-35	24020002-035	Water	02/14/24 13:42	02/23/24 12:20
160-53264-36	24020002-036	Water	02/16/24 10:04	02/23/24 12:20
160-53264-37	24020002-037	Water	02/19/24 11:24	02/23/24 12:20
160-53264-38	24020002-038	Water	02/19/24 14:11	02/23/24 12:20
160-53264-39	24020002-039	Water	02/13/24 14:19	02/23/24 12:20
160-53264-40	24020002-040	Water	02/13/24 13:11	02/23/24 12:20
160-53264-41	24020002-041	Water	02/13/24 12:20	02/23/24 12:20
160-53264-42	24020002-042	Water	02/14/24 12:45	02/23/24 12:20
160-53264-43	24020002-043	Water	02/13/24 11:31	02/23/24 12:20
160-53264-44	24020002-044	Water	02/21/24 12:46	02/23/24 12:20
160-53264-45	24020002-045	Water	02/21/24 13:44	02/23/24 12:20
160-53264-46	24020002-046	Water	02/21/24 11:43	02/23/24 12:20
160-53264-47	24020002-047	Water	02/21/24 10:37	02/23/24 12:20
160-53264-48	24020002-048	Water	02/21/24 11:09	02/23/24 12:20
160-53264-49	24020002-049	Water	02/21/24 12:11	02/23/24 12:20
160-53264-50	24020002-050	Water	02/20/24 10:15	02/23/24 12:20
160-53264-51	24020002-051	Water	02/20/24 11:18	02/23/24 12:20
160-53264-52	24020002-052	Water	02/20/24 12:13	02/23/24 12:20
160-53264-53	24020002-053	Water	02/20/24 14:05	02/23/24 12:20
160-53264-54	24020002-054	Water	02/21/24 15:03	02/23/24 12:20

Sample Summary

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

Job ID: 160-53264-1
SDG: 24020002

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-53264-55	24020002-055	Water	02/21/24 09:03	02/23/24 12:20
160-53264-56	24020002-056	Water	02/19/24 13:18	02/23/24 12:20
160-53264-57	24020002-057	Water	02/19/24 12:03	02/23/24 12:20
160-53264-58	24020002-058	Water	02/20/24 14:05	02/23/24 12:20
160-53264-59	24020002-059	Water	02/21/24 14:58	02/23/24 12:20

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-001
Date Collected: 02/15/24 13:23
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-1
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	0.137		0.0852	0.0861	1.00	0.113	pCi/L	02/27/24 09:54	03/20/24 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.1*		*30 - 110*	*02/27/24 09:54*	*03/20/24 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	0.514		0.346	0.349	1.00	0.509	pCi/L	02/27/24 09:58	03/12/24 12:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.1*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:33*	*1*
Y Carrier	*85.2*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:33*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.651		0.356	0.359	5.00	0.509	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-002
Date Collected: 02/19/24 09:11
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-2
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	0.0514	U	0.0660	0.0662	1.00	0.110	pCi/L	02/27/24 09:54	03/20/24 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*02/27/24 09:54*	*03/20/24 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	0.342	U	0.338	0.340	1.00	0.544	pCi/L	02/27/24 09:58	03/12/24 12:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:33*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:33*	*1*

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-003
Date Collected: 02/19/24 11:09
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-3
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	0.181	U	0.174	0.174	1.00	0.272	pCi/L	02/27/24 09:54	03/20/24 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*02/27/24 09:54*	*03/20/24 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	0.287	U G	0.779	0.780	1.00	1.37	pCi/L	02/27/24 09:58	03/12/24 12:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:33*	*1*
Y Carrier	*85.6*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:33*	*1*

Client Sample ID: 24020002-004
Date Collected: 02/19/24 10:09
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-4
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	0.0396	U	0.0692	0.0693	1.00	0.121	pCi/L	02/27/24 09:54	03/20/24 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*02/27/24 09:54*	*03/20/24 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	0.400	U	0.313	0.315	1.00	0.480	pCi/L	02/27/24 09:58	03/12/24 12:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:33*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:33*	*1*

Client Sample ID: 24020002-005
Date Collected: 02/19/24 09:48
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-5
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	0.0981	U	0.106	0.107	1.00	0.171	pCi/L	02/27/24 09:54	03/20/24 09:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*02/27/24 09:54*	*03/20/24 09:36*	*1*

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-005
Date Collected: 02/19/24 09:48
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-5
Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.254	U	0.549	0.550	1.00	0.948	pCi/L	02/27/24 09:58	03/12/24 12:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:33*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:33*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.352	U	0.559	0.560	5.00	0.948	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-006
Date Collected: 02/16/24 10:37
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-6
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	0.0503	U	0.123	0.123	1.00	0.222	pCi/L	02/27/24 09:54	03/20/24 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*02/27/24 09:54*	*03/20/24 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	0.325	U G	0.676	0.677	1.00	1.17	pCi/L	02/27/24 09:58	03/12/24 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:27*	*1*
Y Carrier	*81.1*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:27*	*1*

Client Sample ID: 24020002-007
Date Collected: 02/21/24 09:03
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-7
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	0.100	U	0.0943	0.0947	1.00	0.144	pCi/L	02/27/24 09:54	03/20/24 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*02/27/24 09:54*	*03/20/24 09:35*	*1*

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-007
Date Collected: 02/21/24 09:03
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-7
Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.143	U	0.507	0.508	1.00	0.901	pCi/L	02/27/24 09:58	03/12/24 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:27*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:27*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.243	U	0.516	0.517	5.00	0.901	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-008
Date Collected: 02/13/24 11:44
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-8
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	0.0459	U	0.0632	0.0633	1.00	0.107	pCi/L	02/27/24 09:54	03/20/24 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*02/27/24 09:54*	*03/20/24 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	0.454	U	0.355	0.358	1.00	0.548	pCi/L	02/27/24 09:58	03/12/24 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:27*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:27*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.500	U	0.361	0.364	5.00	0.548	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-009
Date Collected: 02/16/24 09:31
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-9
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	0.113	U	0.0867	0.0873	1.00	0.123	pCi/L	02/27/24 09:54	03/20/24 09:35	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-009
Date Collected: 02/16/24 09:31
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-9
Matrix: Water

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	103		30 - 110	02/27/24 09:54	03/20/24 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	0.656	U	0.445	0.449	1.00	0.669	pCi/L	02/27/24 09:58	03/12/24 12:27	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	103		30 - 110	02/27/24 09:58	03/12/24 12:27	1
Y Carrier	85.2		30 - 110	02/27/24 09:58	03/12/24 12:27	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.769**		0.453	0.457	5.00	0.669	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-010
Date Collected: 02/13/24 10:30
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-10
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	0.139	U	0.122	0.122	1.00	0.186	pCi/L	02/27/24 09:54	03/20/24 09:35	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110	02/27/24 09:54	03/20/24 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	0.342	U	0.431	0.432	1.00	0.716	pCi/L	02/27/24 09:58	03/12/24 12:27	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110	02/27/24 09:58	03/12/24 12:27	1
Y Carrier	85.2		30 - 110	02/27/24 09:58	03/12/24 12:27	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.481	U	0.448	0.449	5.00	0.716	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-011
Date Collected: 02/14/24 10:17
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-11
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	0.0653	U	0.0621	0.0623	1.00	0.0951	pCi/L	02/27/24 09:54	03/20/24 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*02/27/24 09:54*	*03/20/24 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	**0.567**		0.335	0.339	1.00	0.483	pCi/L	02/27/24 09:58	03/12/24 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:27*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:27*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.632**		0.341	0.345	5.00	0.483	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-012
Date Collected: 02/14/24 09:55
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-12
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	0.0893	U	0.0980	0.0983	1.00	0.157	pCi/L	02/27/24 09:54	03/20/24 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*02/27/24 09:54*	*03/20/24 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	0.173	U	0.409	0.409	1.00	0.716	pCi/L	02/27/24 09:58	03/12/24 12:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:27*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:27*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.263	U	0.421	0.421	5.00	0.716	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-013
Date Collected: 02/13/24 14:12
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-13
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	0.231		0.0939	0.0962	1.00	0.0935	pCi/L	02/27/24 09:54	03/20/24 09:35	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.2		30 - 110	02/27/24 09:54	03/20/24 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	0.789		0.403	0.409	1.00	0.563	pCi/L	02/27/24 09:58	03/12/24 12:28	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	95.2		30 - 110	02/27/24 09:58	03/12/24 12:28	1
Y Carrier	81.1		30 - 110	02/27/24 09:58	03/12/24 12:28	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.02		0.414	0.420	5.00	0.563	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-014
Date Collected: 02/13/24 12:40
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-14
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	0.194		0.0938	0.0954	1.00	0.115	pCi/L	02/27/24 09:54	03/20/24 09:35	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110	02/27/24 09:54	03/20/24 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	0.498		0.317	0.320	1.00	0.462	pCi/L	02/27/24 09:58	03/12/24 12:28	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110	02/27/24 09:58	03/12/24 12:28	1
Y Carrier	87.5		30 - 110	02/27/24 09:58	03/12/24 12:28	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.692		0.331	0.334	5.00	0.462	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-015
Lab Sample ID: 160-53264-15
Date Collected: 02/13/24 12:11
Matrix: Water
Date Received: 02/23/24 12:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0756	U	0.118	0.118	1.00	0.202	pCi/L	02/27/24 09:54	03/20/24 09:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*02/27/24 09:54*	*03/20/24 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	0.346	U	0.428	0.429	1.00	0.709	pCi/L	02/27/24 09:58	03/12/24 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:28*	*1*
Y Carrier	*86.7*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:28*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.422	U	0.444	0.445	5.00	0.709	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-016
Lab Sample ID: 160-53264-16
Date Collected: 02/19/24 11:56
Matrix: Water
Date Received: 02/23/24 12:20

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0830	U	0.0879	0.0882	1.00	0.138	pCi/L	02/27/24 09:59	03/20/24 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.162	U	0.482	0.483	1.00	0.855	pCi/L	02/27/24 10:01	03/15/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:09*	*1*
Y Carrier	*67.3*		*30 - 110*	*02/27/24 10:01*	*03/15/24 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	0.245	U	0.490	0.491	5.00	0.855	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-017
Date Collected: 02/19/24 12:20
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-17
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	0.0535	U	0.0660	0.0662	1.00	0.108	pCi/L	02/27/24 09:59	03/20/24 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.941**		0.461	0.469	1.00	0.632	pCi/L	02/27/24 10:01	03/15/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:09*	*1*
Y Carrier	*67.7*		*30 - 110*	*02/27/24 10:01*	*03/15/24 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	**0.994**		0.466	0.474	5.00	0.632	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-018
Date Collected: 02/19/24 13:18
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-18
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	0.104	0.104	1.00	0.169	pCi/L	02/27/24 09:59	03/20/24 15:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.4*		*30 - 110*	*02/27/24 09:59*	*03/20/24 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	0.557	U	0.494	0.497	1.00	0.781	pCi/L	02/27/24 10:01	03/15/24 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.4*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:09*	*1*
Y Carrier	*77.4*		*30 - 110*	*02/27/24 10:01*	*03/15/24 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	0.646	U	0.505	0.508	5.00	0.781	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-019
Date Collected: 02/19/24 14:21
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-19
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	0.0508	U	0.0742	0.0743	1.00	0.127	pCi/L	02/27/24 09:59	03/20/24 15:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*02/27/24 09:59*	*03/20/24 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	-0.0808	U	0.251	0.251	1.00	0.497	pCi/L	02/27/24 10:01	03/15/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0508	U	0.262	0.262	5.00	0.497	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-020
Date Collected: 02/19/24 14:05
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-20
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	**0.336**		0.160	0.163	1.00	0.193	pCi/L	02/27/24 09:59	03/20/24 15:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*02/27/24 09:59*	*03/20/24 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	0.524	U	0.509	0.511	1.00	0.813	pCi/L	02/27/24 10:01	03/15/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*
Y Carrier	*73.6*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.859**		0.534	0.536	5.00	0.813	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-021
Date Collected: 02/20/24 09:21
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-21
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	1.08		0.368	0.380	1.00	0.378	pCi/L	02/27/24 09:59	03/20/24 15:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*70.6*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.42	G	0.908	0.917	1.00	1.33	pCi/L	02/27/24 10:01	03/15/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*70.6*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*
Y Carrier	*80.4*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.50		0.980	0.993	5.00	1.33	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-022
Date Collected: 02/20/24 09:40
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-22
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	0.104	U	0.0904	0.0909	1.00	0.138	pCi/L	02/27/24 09:59	03/20/24 15:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*02/27/24 09:59*	*03/20/24 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	0.0448	U	0.279	0.279	1.00	0.509	pCi/L	02/27/24 10:01	03/15/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*
Y Carrier	*81.1*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.149	U	0.293	0.293	5.00	0.509	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-023
Date Collected: 02/20/24 10:25
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-23
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	0.0847	U	0.0925	0.0928	1.00	0.149	pCi/L	02/27/24 09:59	03/20/24 15:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.00428	U	0.270	0.270	1.00	0.509	pCi/L	02/27/24 10:01	03/15/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*
Y Carrier	*78.5*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0847	U	0.285	0.286	5.00	0.509	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-024
Date Collected: 02/20/24 11:10
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-24
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	0.109	U	0.158	0.158	1.00	0.270	pCi/L	02/27/24 09:59	03/20/24 15:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.2*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.77**	**G**	0.910	0.925	1.00	1.24	pCi/L	02/27/24 10:01	03/15/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.2*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*
Y Carrier	*74.0*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.88**		0.924	0.938	5.00	1.24	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-025
Date Collected: 02/15/24 14:22
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-25
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	0.254	U	0.251	0.252	1.00	0.388	pCi/L	02/27/24 09:59	03/20/24 15:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*52.0*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.79	U G	1.30	1.31	1.00	1.97	pCi/L	02/27/24 10:01	03/15/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*52.0*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**2.04**		1.32	1.33	5.00	1.97	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-026
Date Collected: 02/21/24 10:11
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-26
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.223**		0.107	0.109	1.00	0.122	pCi/L	02/27/24 09:59	03/20/24 15:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.02**		0.435	0.445	1.00	0.567	pCi/L	02/27/24 10:01	03/15/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:11*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.24**		0.448	0.458	5.00	0.567	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-027
Date Collected: 02/20/24 14:26
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-27
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	0.0870	U	0.103	0.103	1.00	0.169	pCi/L	02/27/24 09:59	03/20/24 15:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.689	U	0.505	0.509	1.00	0.779	pCi/L	02/27/24 10:01	03/15/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:11*	*1*
Y Carrier	*68.8*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.776	U	0.515	0.519	5.00	0.779	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-028
Date Collected: 02/20/24 13:18
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-28
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	**0.363**		0.144	0.148	1.00	0.149	pCi/L	02/27/24 09:59	03/20/24 15:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.680**		0.439	0.444	1.00	0.644	pCi/L	02/27/24 10:01	03/15/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:11*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.04**		0.462	0.468	5.00	0.644	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-029
Date Collected: 02/19/24 12:03
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-29
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	0.0195	U	0.0950	0.0950	1.00	0.184	pCi/L	02/27/24 09:59	03/20/24 15:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.186	U	0.451	0.451	1.00	0.862	pCi/L	02/27/24 10:01	03/15/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:11*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0195	U	0.461	0.461	5.00	0.862	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-030
Date Collected: 02/19/24 13:27
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-30
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	**0.158**		0.108	0.109	1.00	0.143	pCi/L	02/27/24 09:59	03/20/24 15:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.4*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.241	U	0.389	0.390	1.00	0.779	pCi/L	02/27/24 10:01	03/15/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.4*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:04*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.158	U	0.404	0.405	5.00	0.779	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-031
Date Collected: 02/14/24 10:23
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-31
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	0.0431	U	0.0778	0.0779	1.00	0.137	pCi/L	02/27/24 09:59	03/20/24 15:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.7*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.249	U	0.301	0.302	1.00	0.498	pCi/L	02/27/24 10:01	03/15/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.7*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:04*	*1*
Y Carrier	*83.0*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.292	U	0.311	0.312	5.00	0.498	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-032
Date Collected: 02/19/24 14:56
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-32
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	0.106	U	0.106	0.107	1.00	0.169	pCi/L	02/27/24 09:59	03/20/24 15:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0381	U	0.270	0.270	1.00	0.513	pCi/L	02/27/24 10:01	03/15/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:04*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.106	U	0.290	0.290	5.00	0.513	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-033
Date Collected: 02/14/24 11:35
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-33
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	0.0488	U	0.0934	0.0935	1.00	0.165	pCi/L	02/27/24 09:59	03/20/24 15:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.223	U	0.331	0.332	1.00	0.559	pCi/L	02/27/24 10:01	03/15/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:04*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.272	U	0.344	0.345	5.00	0.559	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-034
Date Collected: 02/14/24 14:58
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-34
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	0.306	U	0.216	0.218	1.00	0.310	pCi/L	02/27/24 09:59	03/20/24 15:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0757	U G	0.603	0.603	1.00	1.11	pCi/L	02/27/24 10:01	03/15/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:04*	*1*
Y Carrier	*85.2*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.382	U	0.641	0.641	5.00	1.11	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-035
Date Collected: 02/14/24 13:42
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-35
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	0.205		0.113	0.115	1.00	0.151	pCi/L	02/27/24 09:59	03/20/24 15:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:07*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.113	U	0.314	0.314	1.00	0.555	pCi/L	02/27/24 10:01	03/15/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:04*	*1*
Y Carrier	*82.6*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.318	U	0.334	0.334	5.00	0.555	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-036
Date Collected: 02/16/24 10:04
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-36
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	0.0476	U	0.0930	0.0931	1.00	0.166	pCi/L	02/27/24 10:02	03/20/24 09:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*02/27/24 10:02*	*03/20/24 09:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0187	U	0.471	0.471	1.00	0.892	pCi/L	02/27/24 10:05	03/14/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:22*	*1*
Y Carrier	*63.2*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0476	U	0.480	0.480	5.00	0.892	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-037
Date Collected: 02/19/24 11:24
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-37
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.102	U	0.0796	0.0801	1.00	0.114	pCi/L	02/27/24 10:02	03/20/24 09:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.7*		*30 - 110*	*02/27/24 10:02*	*03/20/24 09:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.299	U	0.410	0.411	1.00	0.688	pCi/L	02/27/24 10:05	03/14/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.7*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:22*	*1*
Y Carrier	*68.4*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.401	U	0.418	0.419	5.00	0.688	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-038
Date Collected: 02/19/24 14:11
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-38
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	0.0388	U	0.0553	0.0554	1.00	0.0941	pCi/L	02/27/24 10:02	03/20/24 09:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*30 - 110*	*02/27/24 10:02*	*03/20/24 09:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.197	U	0.305	0.305	1.00	0.518	pCi/L	02/27/24 10:05	03/14/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:22*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.235	U	0.310	0.310	5.00	0.518	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-039
Date Collected: 02/13/24 14:19
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-39
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	0.0791	U	0.0711	0.0714	1.00	0.107	pCi/L	02/27/24 10:02	03/20/24 09:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*02/27/24 10:02*	*03/20/24 09:29*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.260	U	0.307	0.308	1.00	0.506	pCi/L	02/27/24 10:05	03/14/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*100*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:22*	*1*
Y Carrier	*79.6*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.339	U	0.315	0.316	5.00	0.506	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-040
Date Collected: 02/13/24 13:11
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-40
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	**0.270**		0.130	0.133	1.00	0.152	pCi/L	02/27/24 10:02	03/20/24 09:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.2*		*30 - 110*	*02/27/24 10:02*	*03/20/24 09:30*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.111	U	0.359	0.360	1.00	0.648	pCi/L	02/27/24 10:05	03/14/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.2*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:22*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.381	U	0.382	0.384	5.00	0.648	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-041
Date Collected: 02/13/24 12:20
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-41
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	0.810		0.201	0.214	1.00	0.131	pCi/L	02/27/24 10:02	03/20/24 09:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.1*		*30 - 110*	*02/27/24 10:02*	*03/20/24 09:30*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.800		0.499	0.505	1.00	0.736	pCi/L	02/27/24 10:05	03/14/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.1*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:22*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-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		0.538	0.548	5.00	0.736	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-042
Date Collected: 02/14/24 12:45
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-42
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	0.0359	U	0.0518	0.0519	1.00	0.0884	pCi/L	02/27/24 10:02	03/20/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*02/27/24 10:02*	*03/20/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.288	U	0.335	0.336	1.00	0.551	pCi/L	02/27/24 10:05	03/14/24 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:23*	*1*
Y Carrier	*83.0*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.324	U	0.339	0.340	5.00	0.551	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-043
Date Collected: 02/13/24 11:31
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-43
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	0.131	U	0.0994	0.100	1.00	0.140	pCi/L	02/27/24 10:02	03/20/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*30 - 110*	*02/27/24 10:02*	*03/20/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.727**		0.457	0.462	1.00	0.670	pCi/L	02/27/24 10:05	03/14/24 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.5*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:23*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.858**		0.468	0.473	5.00	0.670	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-044
Date Collected: 02/21/24 12:46
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-44
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	0.0626	U	0.0729	0.0731	1.00	0.119	pCi/L	02/27/24 10:02	03/20/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*02/27/24 10:02*	*03/20/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.148	U	0.277	0.277	1.00	0.481	pCi/L	02/27/24 10:05	03/14/24 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:23*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.211	U	0.286	0.286	5.00	0.481	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-045
Date Collected: 02/21/24 13:44
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-45
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	0.0955	U	0.129	0.129	1.00	0.216	pCi/L	02/27/24 10:02	03/20/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*56.3*		*30 - 110*	*02/27/24 10:02*	*03/20/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**5.10**	**G**	1.24	1.32	1.00	1.30	pCi/L	02/27/24 10:05	03/14/24 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*56.3*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:23*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**5.19**		1.25	1.33	5.00	1.30	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-046
Date Collected: 02/21/24 11:43
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-46
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	0.0789	U	0.0864	0.0867	1.00	0.137	pCi/L	02/27/24 10:02	03/20/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*02/27/24 10:02*	*03/20/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.251	U	0.427	0.428	1.00	0.734	pCi/L	02/27/24 10:05	03/14/24 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:23*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.330	U	0.436	0.437	5.00	0.734	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-047
Date Collected: 02/21/24 10:37
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-47
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	0.0931	U	0.0996	0.100	1.00	0.160	pCi/L	02/27/24 10:02	03/20/24 09:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*02/27/24 10:02*	*03/20/24 09:42*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0478	U	0.342	0.342	1.00	0.641	pCi/L	02/27/24 10:05	03/14/24 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:23*	*1*
Y Carrier	*86.0*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0931	U	0.356	0.356	5.00	0.641	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-048
Date Collected: 02/21/24 11:09
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-48
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	0.00785	U	0.0544	0.0544	1.00	0.109	pCi/L	02/27/24 10:02	03/20/24 14:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*02/27/24 10:02*	*03/20/24 14:59*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.227	U	0.266	0.267	1.00	0.437	pCi/L	02/27/24 10:05	03/14/24 12:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:24*	*1*
Y Carrier	*91.6*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:24*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.235	U	0.272	0.272	5.00	0.437	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-049
Date Collected: 02/21/24 12:11
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-49
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	0.0194	U	0.0556	0.0556	1.00	0.106	pCi/L	02/27/24 10:02	03/20/24 14:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.4*		*30 - 110*	*02/27/24 10:02*	*03/20/24 14:59*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.467	U	0.463	0.465	1.00	0.750	pCi/L	02/27/24 10:05	03/14/24 12:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.4*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:24*	*1*
Y Carrier	*75.9*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:24*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.487	U	0.466	0.468	5.00	0.750	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-050
Date Collected: 02/20/24 10:15
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-50
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	0.0866	U	0.0831	0.0835	1.00	0.129	pCi/L	02/27/24 10:02	03/20/24 14:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*02/27/24 10:02*	*03/20/24 14:59*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.557	U	0.426	0.429	1.00	0.661	pCi/L	02/27/24 10:05	03/14/24 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:17*	*1*
Y Carrier	*78.1*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:17*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.644	U	0.434	0.437	5.00	0.661	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-051
Date Collected: 02/20/24 11:18
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-51
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	0.171		0.100	0.101	1.00	0.122	pCi/L	02/27/24 10:02	03/20/24 15:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*02/27/24 10:02*	*03/20/24 15:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.180	U	0.375	0.375	1.00	0.651	pCi/L	02/27/24 10:05	03/14/24 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:17*	*1*
Y Carrier	*89.7*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:17*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.352	U	0.388	0.388	5.00	0.651	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-052
Date Collected: 02/20/24 12:13
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-52
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	-0.0218	U	0.0441	0.0441	1.00	0.108	pCi/L	02/27/24 10:02	03/20/24 15:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.7*		*30 - 110*	*02/27/24 10:02*	*03/20/24 15:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0283	U	0.248	0.248	1.00	0.476	pCi/L	02/27/24 10:05	03/14/24 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.7*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:17*	*1*
Y Carrier	*85.6*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:17*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.000	U	0.252	0.252	5.00	0.476	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-053
Date Collected: 02/20/24 14:05
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-53
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	0.0460	U	0.0643	0.0645	1.00	0.109	pCi/L	02/27/24 10:02	03/20/24 15:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*02/27/24 10:02*	*03/20/24 15:00*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.328	U	0.322	0.323	1.00	0.517	pCi/L	02/27/24 10:05	03/14/24 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:17*	*1*
Y Carrier	*87.5*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:17*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.374	U	0.328	0.329	5.00	0.517	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-054
Date Collected: 02/21/24 15:03
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-54
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	-0.0161	U	0.0346	0.0346	1.00	0.0923	pCi/L	02/27/24 10:02	03/20/24 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*02/27/24 10:02*	*03/20/24 15:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.366	U	0.325	0.326	1.00	0.513	pCi/L	02/27/24 10:05	03/14/24 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:17*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:17*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.366	U	0.327	0.328	5.00	0.513	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-055
Date Collected: 02/21/24 09:03
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-55
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	0.113		0.0740	0.0747	1.00	0.0928	pCi/L	02/27/24 10:02	03/20/24 15:01	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*02/27/24 10:02*	*03/20/24 15:01*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.168	U	0.318	0.318	1.00	0.552	pCi/L	02/27/24 10:05	03/14/24 12:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:17*	*1*
Y Carrier	*79.6*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:17*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.281	U	0.326	0.327	5.00	0.552	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-056
Date Collected: 02/19/24 13:18
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-56
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	0.116	U	0.0824	0.0830	1.00	0.117	pCi/L	02/27/24 10:05	03/20/24 07:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*02/27/24 10:05*	*03/20/24 07:16*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.224	U	0.304	0.305	1.00	0.509	pCi/L	02/27/24 10:09	03/13/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*02/27/24 10:09*	*03/13/24 12:12*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/27/24 10:09*	*03/13/24 12:12*	*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	0.340	U	0.315	0.316	5.00	0.509	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-057
Date Collected: 02/19/24 12:03
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-57
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	0.0631	U	0.0662	0.0664	1.00	0.104	pCi/L	02/27/24 10:05	03/20/24 07:16	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*02/27/24 10:05*	*03/20/24 07:16*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.192	U	0.318	0.318	1.00	0.542	pCi/L	02/27/24 10:09	03/13/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*02/27/24 10:09*	*03/13/24 12:12*	*1*
Y Carrier	*86.4*		*30 - 110*	*02/27/24 10:09*	*03/13/24 12:12*	*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	0.255	U	0.325	0.325	5.00	0.542	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-058
Date Collected: 02/20/24 14:05
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-58
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	**0.183**		0.103	0.105	1.00	0.124	pCi/L	02/27/24 10:05	03/20/24 07:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*02/27/24 10:05*	*03/20/24 07:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.106	U	0.433	0.433	1.00	0.775	pCi/L	02/27/24 10:09	03/13/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*02/27/24 10:09*	*03/13/24 12:12*	*1*
Y Carrier	*84.9*		*30 - 110*	*02/27/24 10:09*	*03/13/24 12:12*	*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	0.290	U	0.445	0.446	5.00	0.775	pCi/L		03/21/24 22:32	1

Client Sample Results

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

Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-059
Date Collected: 02/21/24 14:58
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-59
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	0.0762	U	0.0684	0.0688	1.00	0.103	pCi/L	02/27/24 10:05	03/20/24 07:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*02/27/24 10:05*	*03/20/24 07:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.218	U	0.293	0.294	1.00	0.489	pCi/L	02/27/24 10:09	03/13/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*02/27/24 10:09*	*03/13/24 12:12*	*1*
Y Carrier	*126*	*X*	*30 - 110*	*02/27/24 10:09*	*03/13/24 12:12*	*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	0.294	U	0.301	0.302	5.00	0.489	pCi/L		03/21/24 22:32	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-649957/1-A
Matrix: Water
Analysis Batch: 653266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649957

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.07810	U	0.0845	0.0848	1.00	0.136	pCi/L	02/27/24 09:54	03/20/24 07:35	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.7*		*30 - 110*	*02/27/24 09:54*	*03/20/24 07:35*	*1*

Lab Sample ID: LCS 160-649957/2-A
Matrix: Water
Analysis Batch: 653266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649957

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.939		1.04	1.00	0.0956	pCi/L	88	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*101*		*30 - 110*

Lab Sample ID: 160-53264-2 DU
Matrix: Water
Analysis Batch: 653266

Client Sample ID: 24020002-002
Prep Type: Total/NA
Prep Batch: 649957

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0514	U		0.07438	U	0.0744	1.00	0.116	pCi/L			0.16	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*96.2*		*30 - 110*

Lab Sample ID: MB 160-649959/1-A
Matrix: Water
Analysis Batch: 653196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649959

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01135	U	0.0576	0.0576	1.00	0.115	pCi/L	02/27/24 09:59	03/20/24 15:01	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.7*		*30 - 110*	*02/27/24 09:59*	*03/20/24 15:01*	*1*

Lab Sample ID: LCS 160-649959/2-A
Matrix: Water
Analysis Batch: 653196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649959

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.90		1.15	1.00	0.122	pCi/L	96	75 - 125		

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-649959/2-A
Matrix: Water
Analysis Batch: 653196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649959

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	102		30 - 110

Lab Sample ID: 160-53264-22 DU
Matrix: Water
Analysis Batch: 653266

Client Sample ID: 24020002-022
Prep Type: Total/NA
Prep Batch: 649959

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.104	U		0.05084	U	0.0868	1.00	0.151	pCi/L			0.30	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	94.4		30 - 110

Lab Sample ID: MB 160-649961/1-A
Matrix: Water
Analysis Batch: 653196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649961

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02262	U	0.0427	0.0427	1.00	0.105	pCi/L	02/27/24 10:02	03/20/24 09:28	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	106		30 - 110	02/27/24 10:02	03/20/24 09:28	1

Lab Sample ID: LCS 160-649961/2-A
Matrix: Water
Analysis Batch: 653196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649961

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.33		1.09	1.00	0.101	pCi/L	91	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	103		30 - 110

Lab Sample ID: 160-53264-50 DU
Matrix: Water
Analysis Batch: 653196

Client Sample ID: 24020002-050
Prep Type: Total/NA
Prep Batch: 649961

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0866	U		-0.02167	U	0.0454	1.00	0.110	pCi/L			0.84	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	96.7		30 - 110

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-649963/1-A
Matrix: Water
Analysis Batch: 653196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649963

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.007554	U	0.0478	0.0478	1.00	0.105	pCi/L	02/27/24 10:05	03/20/24 07:16	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*02/27/24 10:05*	*03/20/24 07:16*	*1*

Lab Sample ID: LCS 160-649963/2-A
Matrix: Water
Analysis Batch: 653196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649963

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.23		1.08	1.00	0.0993	pCi/L	90	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*98.5*		*30 - 110*

Lab Sample ID: 160-53264-59 DU
Matrix: Water
Analysis Batch: 653196

Client Sample ID: 24020002-059
Prep Type: Total/NA
Prep Batch: 649963

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0762	U		-0.00074 18	U	0.0492	1.00	0.104	pCi/L			0.65	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*103*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-649958/1-A
Matrix: Water
Analysis Batch: 652091

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649958

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3189	U	0.332	0.333	1.00	0.538	pCi/L	02/27/24 09:58	03/12/24 12:32	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.7*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:32*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/27/24 09:58*	*03/12/24 12:32*	*1*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-649958/2-A
Matrix: Water
Analysis Batch: 652091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649958

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.13	10.00		1.33	1.00	0.509	pCi/L	110	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*101*		*30 - 110*
Y Carrier	*82.2*		*30 - 110*

Lab Sample ID: 160-53264-2 DU
Matrix: Water
Analysis Batch: 652091

Client Sample ID: 24020002-002
Prep Type: Total/NA
Prep Batch: 649958

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.342	U		0.4988	U	0.356	1.00	0.531	pCi/L			0.23	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*96.2*		*30 - 110*
Y Carrier	*84.5*		*30 - 110*

Lab Sample ID: MB 160-649960/1-A
Matrix: Water
Analysis Batch: 652700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649960

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.3230	U	0.260	0.261	1.00	0.570	pCi/L	02/27/24 10:01	03/15/24 12:09	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.7*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:09*	*1*
Y Carrier	*82.6*		*30 - 110*	*02/27/24 10:01*	*03/15/24 12:09*	*1*

Lab Sample ID: LCS 160-649960/2-A
Matrix: Water
Analysis Batch: 652700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649960

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.12	9.604		1.29	1.00	0.549	pCi/L	105	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*102*		*30 - 110*
Y Carrier	*83.4*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 160-53264-22 DU — **Client Sample ID: 24020002-022**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 652700 — **Prep Batch: 649960**

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.0448	U		0.1492	U	0.350	1.00	0.613	pCi/L			0.17	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*94.4*		*30 - 110*
Y Carrier	*75.5*		*30 - 110*

Lab Sample ID: MB 160-649962/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 652406 — **Prep Batch: 649962**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.1231	U	0.273	0.273	1.00	0.538	pCi/L	02/27/24 10:05	03/14/24 12:21	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:21*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/27/24 10:05*	*03/14/24 12:21*	*1*

Lab Sample ID: LCS 160-649962/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 652406 — **Prep Batch: 649962**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.12	9.830		1.31	1.00	0.538	pCi/L	108	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*103*		*30 - 110*
Y Carrier	*82.2*		*30 - 110*

Lab Sample ID: 160-53264-50 DU — **Client Sample ID: 24020002-050**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 652408 — **Prep Batch: 649962**

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.557	U		-0.04210	U	0.280	1.00	0.537	pCi/L			0.85	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*96.7*		*30 - 110*
Y Carrier	*79.6*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-649964/1-A
Matrix: Water
Analysis Batch: 652315

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649964

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.004376	U	0.255	0.255	1.00	0.485	pCi/L	02/27/24 10:09	03/13/24 12:42	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*02/27/24 10:09*	*03/13/24 12:42*	*1*
Y Carrier	*86.7*		*30 - 110*	*02/27/24 10:09*	*03/13/24 12:42*	*1*

Lab Sample ID: LCS 160-649964/2-A
Matrix: Water
Analysis Batch: 652315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649964

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.13	10.56		1.40	1.00	0.571	pCi/L	116	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*98.5*		*30 - 110*
Y Carrier	*84.9*		*30 - 110*

Lab Sample ID: 160-53264-59 DU
Matrix: Water
Analysis Batch: 652334

Client Sample ID: 24020002-059
Prep Type: Total/NA
Prep Batch: 649964

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.218	U		-0.3747	U F	0.231	1.00	0.536	pCi/L			1.13	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*103*		*30 - 110*
Y Carrier	*83.4*		*30 - 110*

QC Association Summary

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

Job ID: 160-53264-1
SDG: 24020002

Rad

Prep Batch: 649957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-1	24020002-001	Total/NA	Water	PrecSep-21	
160-53264-2	24020002-002	Total/NA	Water	PrecSep-21	
160-53264-3	24020002-003	Total/NA	Water	PrecSep-21	
160-53264-4	24020002-004	Total/NA	Water	PrecSep-21	
160-53264-5	24020002-005	Total/NA	Water	PrecSep-21	
160-53264-6	24020002-006	Total/NA	Water	PrecSep-21	
160-53264-7	24020002-007	Total/NA	Water	PrecSep-21	
160-53264-8	24020002-008	Total/NA	Water	PrecSep-21	
160-53264-9	24020002-009	Total/NA	Water	PrecSep-21	
160-53264-10	24020002-010	Total/NA	Water	PrecSep-21	
160-53264-11	24020002-011	Total/NA	Water	PrecSep-21	
160-53264-12	24020002-012	Total/NA	Water	PrecSep-21	
160-53264-13	24020002-013	Total/NA	Water	PrecSep-21	
160-53264-14	24020002-014	Total/NA	Water	PrecSep-21	
160-53264-15	24020002-015	Total/NA	Water	PrecSep-21	
MB 160-649957/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-649957/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53264-2 DU	24020002-002	Total/NA	Water	PrecSep-21	

Prep Batch: 649958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-1	24020002-001	Total/NA	Water	PrecSep_0	
160-53264-2	24020002-002	Total/NA	Water	PrecSep_0	
160-53264-3	24020002-003	Total/NA	Water	PrecSep_0	
160-53264-4	24020002-004	Total/NA	Water	PrecSep_0	
160-53264-5	24020002-005	Total/NA	Water	PrecSep_0	
160-53264-6	24020002-006	Total/NA	Water	PrecSep_0	
160-53264-7	24020002-007	Total/NA	Water	PrecSep_0	
160-53264-8	24020002-008	Total/NA	Water	PrecSep_0	
160-53264-9	24020002-009	Total/NA	Water	PrecSep_0	
160-53264-10	24020002-010	Total/NA	Water	PrecSep_0	
160-53264-11	24020002-011	Total/NA	Water	PrecSep_0	
160-53264-12	24020002-012	Total/NA	Water	PrecSep_0	
160-53264-13	24020002-013	Total/NA	Water	PrecSep_0	
160-53264-14	24020002-014	Total/NA	Water	PrecSep_0	
160-53264-15	24020002-015	Total/NA	Water	PrecSep_0	
MB 160-649958/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-649958/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53264-2 DU	24020002-002	Total/NA	Water	PrecSep_0	

Prep Batch: 649959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-16	24020002-016	Total/NA	Water	PrecSep-21	
160-53264-17	24020002-017	Total/NA	Water	PrecSep-21	
160-53264-18	24020002-018	Total/NA	Water	PrecSep-21	
160-53264-19	24020002-019	Total/NA	Water	PrecSep-21	
160-53264-20	24020002-020	Total/NA	Water	PrecSep-21	
160-53264-21	24020002-021	Total/NA	Water	PrecSep-21	
160-53264-22	24020002-022	Total/NA	Water	PrecSep-21	
160-53264-23	24020002-023	Total/NA	Water	PrecSep-21	
160-53264-24	24020002-024	Total/NA	Water	PrecSep-21	

Rad (Continued)

Prep Batch: 649959 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-25	24020002-025	Total/NA	Water	PrecSep-21	
160-53264-26	24020002-026	Total/NA	Water	PrecSep-21	
160-53264-27	24020002-027	Total/NA	Water	PrecSep-21	
160-53264-28	24020002-028	Total/NA	Water	PrecSep-21	
160-53264-29	24020002-029	Total/NA	Water	PrecSep-21	
160-53264-30	24020002-030	Total/NA	Water	PrecSep-21	
160-53264-31	24020002-031	Total/NA	Water	PrecSep-21	
160-53264-32	24020002-032	Total/NA	Water	PrecSep-21	
160-53264-33	24020002-033	Total/NA	Water	PrecSep-21	
160-53264-34	24020002-034	Total/NA	Water	PrecSep-21	
160-53264-35	24020002-035	Total/NA	Water	PrecSep-21	
MB 160-649959/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-649959/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53264-22 DU	24020002-022	Total/NA	Water	PrecSep-21	

Prep Batch: 649960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-16	24020002-016	Total/NA	Water	PrecSep_0	
160-53264-17	24020002-017	Total/NA	Water	PrecSep_0	
160-53264-18	24020002-018	Total/NA	Water	PrecSep_0	
160-53264-19	24020002-019	Total/NA	Water	PrecSep_0	
160-53264-20	24020002-020	Total/NA	Water	PrecSep_0	
160-53264-21	24020002-021	Total/NA	Water	PrecSep_0	
160-53264-22	24020002-022	Total/NA	Water	PrecSep_0	
160-53264-23	24020002-023	Total/NA	Water	PrecSep_0	
160-53264-24	24020002-024	Total/NA	Water	PrecSep_0	
160-53264-25	24020002-025	Total/NA	Water	PrecSep_0	
160-53264-26	24020002-026	Total/NA	Water	PrecSep_0	
160-53264-27	24020002-027	Total/NA	Water	PrecSep_0	
160-53264-28	24020002-028	Total/NA	Water	PrecSep_0	
160-53264-29	24020002-029	Total/NA	Water	PrecSep_0	
160-53264-30	24020002-030	Total/NA	Water	PrecSep_0	
160-53264-31	24020002-031	Total/NA	Water	PrecSep_0	
160-53264-32	24020002-032	Total/NA	Water	PrecSep_0	
160-53264-33	24020002-033	Total/NA	Water	PrecSep_0	
160-53264-34	24020002-034	Total/NA	Water	PrecSep_0	
160-53264-35	24020002-035	Total/NA	Water	PrecSep_0	
MB 160-649960/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-649960/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53264-22 DU	24020002-022	Total/NA	Water	PrecSep_0	

Prep Batch: 649961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-36	24020002-036	Total/NA	Water	PrecSep-21	
160-53264-37	24020002-037	Total/NA	Water	PrecSep-21	
160-53264-38	24020002-038	Total/NA	Water	PrecSep-21	
160-53264-39	24020002-039	Total/NA	Water	PrecSep-21	
160-53264-40	24020002-040	Total/NA	Water	PrecSep-21	
160-53264-41	24020002-041	Total/NA	Water	PrecSep-21	
160-53264-42	24020002-042	Total/NA	Water	PrecSep-21	
160-53264-43	24020002-043	Total/NA	Water	PrecSep-21	

QC Association Summary

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

Job ID: 160-53264-1
SDG: 24020002

Rad (Continued)

Prep Batch: 649961 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-44	24020002-044	Total/NA	Water	PrecSep-21	
160-53264-45	24020002-045	Total/NA	Water	PrecSep-21	
160-53264-46	24020002-046	Total/NA	Water	PrecSep-21	
160-53264-47	24020002-047	Total/NA	Water	PrecSep-21	
160-53264-48	24020002-048	Total/NA	Water	PrecSep-21	
160-53264-49	24020002-049	Total/NA	Water	PrecSep-21	
160-53264-50	24020002-050	Total/NA	Water	PrecSep-21	
160-53264-51	24020002-051	Total/NA	Water	PrecSep-21	
160-53264-52	24020002-052	Total/NA	Water	PrecSep-21	
160-53264-53	24020002-053	Total/NA	Water	PrecSep-21	
160-53264-54	24020002-054	Total/NA	Water	PrecSep-21	
160-53264-55	24020002-055	Total/NA	Water	PrecSep-21	
MB 160-649961/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-649961/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53264-50 DU	24020002-050	Total/NA	Water	PrecSep-21	

Prep Batch: 649962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-36	24020002-036	Total/NA	Water	PrecSep_0	
160-53264-37	24020002-037	Total/NA	Water	PrecSep_0	
160-53264-38	24020002-038	Total/NA	Water	PrecSep_0	
160-53264-39	24020002-039	Total/NA	Water	PrecSep_0	
160-53264-40	24020002-040	Total/NA	Water	PrecSep_0	
160-53264-41	24020002-041	Total/NA	Water	PrecSep_0	
160-53264-42	24020002-042	Total/NA	Water	PrecSep_0	
160-53264-43	24020002-043	Total/NA	Water	PrecSep_0	
160-53264-44	24020002-044	Total/NA	Water	PrecSep_0	
160-53264-45	24020002-045	Total/NA	Water	PrecSep_0	
160-53264-46	24020002-046	Total/NA	Water	PrecSep_0	
160-53264-47	24020002-047	Total/NA	Water	PrecSep_0	
160-53264-48	24020002-048	Total/NA	Water	PrecSep_0	
160-53264-49	24020002-049	Total/NA	Water	PrecSep_0	
160-53264-50	24020002-050	Total/NA	Water	PrecSep_0	
160-53264-51	24020002-051	Total/NA	Water	PrecSep_0	
160-53264-52	24020002-052	Total/NA	Water	PrecSep_0	
160-53264-53	24020002-053	Total/NA	Water	PrecSep_0	
160-53264-54	24020002-054	Total/NA	Water	PrecSep_0	
160-53264-55	24020002-055	Total/NA	Water	PrecSep_0	
MB 160-649962/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-649962/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53264-50 DU	24020002-050	Total/NA	Water	PrecSep_0	

Prep Batch: 649963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-56	24020002-056	Total/NA	Water	PrecSep-21	
160-53264-57	24020002-057	Total/NA	Water	PrecSep-21	
160-53264-58	24020002-058	Total/NA	Water	PrecSep-21	
160-53264-59	24020002-059	Total/NA	Water	PrecSep-21	
MB 160-649963/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-649963/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53264-59 DU	24020002-059	Total/NA	Water	PrecSep-21	

Rad

Prep Batch: 649964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-56	24020002-056	Total/NA	Water	PrecSep_0	
160-53264-57	24020002-057	Total/NA	Water	PrecSep_0	
160-53264-58	24020002-058	Total/NA	Water	PrecSep_0	
160-53264-59	24020002-059	Total/NA	Water	PrecSep_0	
MB 160-649964/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-649964/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53264-59 DU	24020002-059	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-53264-1
SDG: 24020002

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)						
160-53264-1	24020002-001	91.1						
160-53264-2	24020002-002	98.7						
160-53264-2 DU	24020002-002	96.2						
160-53264-3	24020002-003	88.6						
160-53264-4	24020002-004	99.2						
160-53264-5	24020002-005	95.4						
160-53264-6	24020002-006	73.4						
160-53264-7	24020002-007	89.3						
160-53264-8	24020002-008	91.9						
160-53264-9	24020002-009	103						
160-53264-10	24020002-010	94.4						
160-53264-11	24020002-011	102						
160-53264-12	24020002-012	102						
160-53264-13	24020002-013	95.2						
160-53264-14	24020002-014	101						
160-53264-15	24020002-015	94.9						
160-53264-16	24020002-016	102						
160-53264-17	24020002-017	94.2						
160-53264-18	24020002-018	94.4						
160-53264-19	24020002-019	101						
160-53264-20	24020002-020	88.3						
160-53264-21	24020002-021	70.6						
160-53264-22	24020002-022	102						
160-53264-22 DU	24020002-022	94.4						
160-53264-23	24020002-023	101						
160-53264-24	24020002-024	81.2						
160-53264-25	24020002-025	52.0						
160-53264-26	24020002-026	89.1						
160-53264-27	24020002-027	91.9						
160-53264-28	24020002-028	100						
160-53264-29	24020002-029	98.7						
160-53264-30	24020002-030	96.4						
160-53264-31	24020002-031	97.7						
160-53264-32	24020002-032	99.0						
160-53264-33	24020002-033	95.4						
160-53264-34	24020002-034	82.2						
160-53264-35	24020002-035	94.9						
160-53264-36	24020002-036	98.2						
160-53264-37	24020002-037	94.7						
160-53264-38	24020002-038	99.5						
160-53264-39	24020002-039	100						
160-53264-40	24020002-040	95.2						
160-53264-41	24020002-041	93.1						
160-53264-42	24020002-042	98.0						
160-53264-43	24020002-043	99.5						
160-53264-44	24020002-044	99.2						
160-53264-45	24020002-045	56.3						
160-53264-46	24020002-046	94.9						
160-53264-47	24020002-047	93.7						

Tracer/Carrier Summary

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

Job ID: 160-53264-1
SDG: 24020002

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)
160-53264-48	24020002-048	98.5
160-53264-49	24020002-049	96.4
160-53264-50	24020002-050	90.9
160-53264-50 DU	24020002-050	96.7
160-53264-51	24020002-051	101
160-53264-52	24020002-052	99.7
160-53264-53	24020002-053	99.2
160-53264-54	24020002-054	101
160-53264-55	24020002-055	91.4
160-53264-56	24020002-056	99.0
160-53264-57	24020002-057	99.0
160-53264-58	24020002-058	94.9
160-53264-59	24020002-059	102
160-53264-59 DU	24020002-059	103
LCS 160-649957/2-A	Lab Control Sample	101
LCS 160-649959/2-A	Lab Control Sample	102
LCS 160-649961/2-A	Lab Control Sample	103
LCS 160-649963/2-A	Lab Control Sample	98.5
MB 160-649957/1-A	Method Blank	99.7
MB 160-649959/1-A	Method Blank	96.7
MB 160-649961/1-A	Method Blank	106
MB 160-649963/1-A	Method Blank	98.7

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)	Y (30-110)
160-53264-1	24020002-001	91.1	85.2
160-53264-2	24020002-002	98.7	83.7
160-53264-2 DU	24020002-002	96.2	84.5
160-53264-3	24020002-003	88.6	85.6
160-53264-4	24020002-004	99.2	84.1
160-53264-5	24020002-005	95.4	81.5
160-53264-6	24020002-006	73.4	81.1
160-53264-7	24020002-007	89.3	78.9
160-53264-8	24020002-008	91.9	83.7
160-53264-9	24020002-009	103	85.2
160-53264-10	24020002-010	94.4	85.2
160-53264-11	24020002-011	102	83.4
160-53264-12	24020002-012	102	83.4
160-53264-13	24020002-013	95.2	81.1
160-53264-14	24020002-014	101	87.5
160-53264-15	24020002-015	94.9	86.7
160-53264-16	24020002-016	102	67.3
160-53264-17	24020002-017	94.2	67.7
160-53264-18	24020002-018	94.4	77.4

Tracer/Carrier Summary

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

Job ID: 160-53264-1
SDG: 24020002

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)
160-53264-19	24020002-019	101	81.5
160-53264-20	24020002-020	88.3	73.6
160-53264-21	24020002-021	70.6	80.4
160-53264-22	24020002-022	102	81.1
160-53264-22 DU	24020002-022	94.4	75.5
160-53264-23	24020002-023	101	78.5
160-53264-24	24020002-024	81.2	74.0
160-53264-25	24020002-025	52.0	81.9
160-53264-26	24020002-026	89.1	81.5
160-53264-27	24020002-027	91.9	68.8
160-53264-28	24020002-028	100	78.9
160-53264-29	24020002-029	98.7	81.9
160-53264-30	24020002-030	96.4	81.9
160-53264-31	24020002-031	97.7	83.0
160-53264-32	24020002-032	99.0	84.1
160-53264-33	24020002-033	95.4	78.9
160-53264-34	24020002-034	82.2	85.2
160-53264-35	24020002-035	94.9	82.6
160-53264-36	24020002-036	98.2	63.2
160-53264-37	24020002-037	94.7	68.4
160-53264-38	24020002-038	99.5	81.5
160-53264-39	24020002-039	100	79.6
160-53264-40	24020002-040	95.2	83.7
160-53264-41	24020002-041	93.1	84.1
160-53264-42	24020002-042	98.0	83.0
160-53264-43	24020002-043	99.5	81.9
160-53264-44	24020002-044	99.2	81.9
160-53264-45	24020002-045	56.3	81.9
160-53264-46	24020002-046	94.9	81.5
160-53264-47	24020002-047	93.7	86.0
160-53264-48	24020002-048	98.5	91.6
160-53264-49	24020002-049	96.4	75.9
160-53264-50	24020002-050	90.9	78.1
160-53264-50 DU	24020002-050	96.7	79.6
160-53264-51	24020002-051	101	89.7
160-53264-52	24020002-052	99.7	85.6
160-53264-53	24020002-053	99.2	87.5
160-53264-54	24020002-054	101	83.7
160-53264-55	24020002-055	91.4	79.6
160-53264-56	24020002-056	99.0	81.9
160-53264-57	24020002-057	99.0	86.4
160-53264-58	24020002-058	94.9	84.9
160-53264-59	24020002-059	102	126 X
160-53264-59 DU	24020002-059	103	83.4
LCS 160-649958/2-A	Lab Control Sample	101	82.2
LCS 160-649960/2-A	Lab Control Sample	102	83.4
LCS 160-649962/2-A	Lab Control Sample	103	82.2
LCS 160-649964/2-A	Lab Control Sample	98.5	84.9
MB 160-649958/1-A	Method Blank	99.7	84.1
MB 160-649960/1-A	Method Blank	96.7	82.6

Tracer/Carrier Summary

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

Job ID: 160-53264-1
SDG: 24020002

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)									
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)								
MB 160-649962/1-A	Method Blank	106	84.1								
MB 160-649964/1-A	Method Blank	98.7	86.7								

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

			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	AP2D	Groundwater Sample	66.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
002	G1001	Groundwater Sample	46.0	None	N	Clear	Good	Good	Good	Yes	Yes
003	G1003	Groundwater Sample	66.0	None	N	Partly cloudy	Good	Good	Good	Yes	No
004	G101	Groundwater Sample	49.0	None	SE	Clear	Good	Good	Good	Yes	Yes
005	G102	Groundwater Sample	48.0	None	W	Clear	Good	Good	Good	Yes	Yes
006	G103	Groundwater Sample	50.0	None	W	Clear	Good	Good	Good	Yes	Yes
007	G105	Groundwater Sample	51.0	None	W	Clear	Good	Good	Good	Yes	Yes
008	G106	Groundwater Sample	54.0	None	W	Clear	Good	Good	Good	Yes	Yes
009	G107	Groundwater Sample	54.0	None	W	Clear	Good	Good	Good	Yes	Yes
010	G108	Groundwater Sample	55.0	None	W	Clear	Good	Good	Good	Yes	Yes
011	G109	Groundwater Sample	55.0	None	W	Clear	Good	Good	Good	Yes	Yes
012	G110	Groundwater Sample	56.0	None	W	Clear	Good	Good	Good	Yes	Yes
013	G111	Groundwater Sample	48.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
014	G119	Groundwater Sample	48.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
015	G120	Groundwater Sample	48.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
016	G121	Groundwater Sample	48.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
017	G122	Groundwater Sample	48.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
018	G123	Groundwater Sample	48.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
019	G124	Groundwater Sample	49.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
020	G125	Groundwater Sample	49.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
021	G126	Groundwater Sample	50.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
022	G151	Groundwater Sample	33.0	None	N	Clear	Good	Good	Good	Yes	Yes
023	G152	Groundwater Sample	40.0	None	N	Clear	Good	Good	Good	Yes	Yes
024	G153	Groundwater Sample	38.0	None	N	Clear	Good	Good	Good	Yes	Yes
025	G154	Groundwater Sample	35.0	None	N	Clear	Good	Good	Good	Yes	Yes
026	G155	Groundwater Sample	33.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
027	G200	Groundwater Sample	48.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
028	G206	Groundwater Sample	47.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
029	G206D	Groundwater Sample	31.0	Light	SW	Cloudy	Good	Good	Good	Yes	Yes
030	G207	Groundwater Sample	46.0	None	N	Clear	Good	Good	Good	Yes	Yes
031	G208	Groundwater Sample	43.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
032	G209	Groundwater Sample	42.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
033	G210	Groundwater Sample	40.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
034	G211	Groundwater Sample	46.0	None	W	Clear	Good	Good	Good	Yes	Yes
035	G212	Groundwater Sample	44.0	None	W	Clear	Good	Good	Good	Yes	Yes
036	G213	Groundwater Sample	41.0	None	W	Clear	Good	Good	Good	Yes	Yes
037	G214	Groundwater Sample	52.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
038	G215	Groundwater Sample	52.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
039	G216	Groundwater Sample	51.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
040	G217	Groundwater Sample	50.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
041	G218	Groundwater Sample	48.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
042	G270	Groundwater Sample	45.0	None	N	Clear	Good	Good	Good	Yes	Yes

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

			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
043	G271	Groundwater Sample	47.0	None	N	Clear	Good	Good	Good	Yes	Yes
044	G272	Groundwater Sample	48.0	None	N	Clear	Good	Good	Good	Yes	Yes
045	G273	Groundwater Sample	50.0	None	N	Clear	Good	Good	Good	Yes	Yes
046	G274	Groundwater Sample	51.0	None	N	Clear	Good	Good	Good	Yes	Yes
047	G275	Groundwater Sample	52.0	None	N	Clear	Good	Good	Good	Yes	Yes
048	G275D	Groundwater Sample	52.0	None	N	Clear	Good	Good	Good	Yes	Yes
049	G276	Groundwater Sample	40.0	None	N	Clear	Good	Good	Good	Yes	Yes
050	G277	Groundwater Sample	43.0	None	N	Clear	Good	Good	Good	Yes	Yes
051	G278	Groundwater Sample	40.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
052	G279	Groundwater Sample	47.0	None	N	Clear	Good	Good	Good	Yes	Yes
053	G280	Groundwater Sample	50.0	None	N	Clear	Good	Good	Good	Yes	Yes
054	G281	Groundwater Sample	50.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
055	G283	Groundwater Sample	50.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
056	G284	Groundwater Sample	54.0	None	NW	Clear	Good	Good	Good	Yes	Yes
057	G285	Groundwater Sample	54.0	None	NW	Clear	Good	Good	Good	Yes	Yes
058	G301	Groundwater Sample	46.0	None	E	Clear	Good	Good	Good	Yes	Yes
059	G302	Groundwater Sample	46.0	None	E	Clear	Good	Good	Good	Yes	Yes
060	G303	Groundwater Sample	44.0	None	W	Clear	Good	Good	Good	Yes	Yes
061	G305	Groundwater Sample	44.0	None	E	Clear	Good	Good	Good	Yes	Yes
062	G306	Groundwater Sample	46.0	None	W	Clear	Good	Good	Good	Yes	Yes
063	G307	Groundwater Sample	50.0	None	W	Clear	Good	Damaged	Good	Yes	No
064	G307D	Groundwater Sample	50.0	None	W	Clear	Good	Good	Good	Yes	Yes
065	G308	Groundwater Sample	30.0	Light	NW	Cloudy	Good	Good	Good	Yes	Yes
066	G310	Groundwater Sample	46.0	None	E	Clear	Good	Good	Good	Yes	Yes
067	G312	Groundwater Sample	46.0	None	E	Clear	Good	Good	Good	Yes	Yes
068	G313	Groundwater Sample	45.0	None	W	Clear	Good	Good	Good	Yes	Yes
069	G314	Groundwater Sample	45.0	None	W	Clear	Good	Good	Good	Yes	Yes
070	G314D	Groundwater Sample	44.0	None	W	Clear	Good	Good	Good	Yes	Yes
071	G315	Groundwater Sample	46.0	None	W	Clear	Good	Good	Good	Yes	Yes
072	G316	Groundwater Sample	44.0	None	W	Clear	Good	Good	Good	Yes	Yes
073	G401	Groundwater Sample	64.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
074	G402	Groundwater Sample	65.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
075	G403	Groundwater Sample	60.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
076	G404	Groundwater Sample	55.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
077	G405	Groundwater Sample	57.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
078	G406	Groundwater Sample	62.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
079	G407	Groundwater Sample	41.0	None	NW	Clear	Good	Good	Good	Yes	Yes
080	G410	Groundwater Sample	42.0	None	NW	Clear	Good	Good	Good	Yes	Yes
081	G411	Groundwater Sample	41.0	None	NW	Clear	Good	Good	Good	Yes	Yes
082	L201	Leachate Sample	56.0	None	N	Partly cloudy	Other (see note)	Other (see note)	Other (see note)	Yes	No
083	L202	Leachate Sample	56.0	None	N	Partly cloudy	Other (see note)	Other (see note)	Other (see note)	Yes	No
084	L203	Leachate Sample	56.0	None	N	Partly cloudy	Other (see note)	Other (see note)	Other (see note)	Yes	No

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

			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**
085	NE Riser	Leachate Sample	66.0	None	N	Partly cloudy	Good	Good	Good	Yes	No
086	R104	Groundwater Sample	53.0	None	W	Clear	Good	Good	Good	Yes	Yes
087	R201	Groundwater Sample	58.0	None	N	Clear	Good	Good	Good	Yes	Yes
088	R205	Groundwater Sample	38.0	None	W	Clear	Good	Good	Good	Yes	Yes
089	SG-02	DTW Only	42.0	None	N	Clear					
090	SG-03	DTW Only	42.0	None	N	Clear					
091	T127	Groundwater Sample	52.0	None	N	Clear	Good	Good	Good	Yes	Yes
092	T128	Groundwater Sample	48.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
093	X201	Groundwater Sample	38.0	None	N	Clear	Other (see note)	Other (see note)	Other (see note)	Yes	No
094	XPW01	Groundwater Sample	37.0	None	W	Clear	Good	Good	Good	Yes	No
095	XPW02	Groundwater Sample	30.0	Light	E	Cloudy	Good	Good	Good	Yes	No
096	XSG-01	DTW Only	42.0	None	N	Clear					
097	Field Blank	QA/QC Sample	48.0	None	N	Partly cloudy					
098	G102 Duplicate	QA/QC Sample	48.0	None	W	Clear	Good	Good	Good	Yes	Yes
099	G200 Duplicate	QA/QC Sample	48.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
100	G273 Duplicate	QA/QC Sample	50.0	None	N	Clear	Good	Good	Good	Yes	Yes
101	G301 Duplicate	QA/QC Sample	46.0	None	E	Clear	Good	Good	Good	Yes	Yes
102	R201 Duplicate	QA/QC Sample	58.0	None	N	Clear	Good	Good	Good	Yes	Yes
103	Equipment Blank 1	QA/QC Sample	48.0	None	N	Partly cloudy					

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

		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	AP2D	JC	2/21/24 14:34	20.34	35.43	JC	2/21/2024	14:35	14:54	Submersible Pump	2"	9.0	473.7
002	G1001	DC	2/15/24 12:59	6.31	13.79	TAC	2/15/2024	13:01	13:23	Peristaltic Pump	2"	4.5	204.5
003	G1003	JC	2/21/24 14:01	11.15	14.79	JC	2/21/2024	N/A	N/A	Submersible Pump	2"	N/A	N/A
004	G101	JC	2/15/24 12:28	9.69	24.30	JC	2/15/2024	12:28	13:03	Bladder Pump	2"	5.0	142.9
005	G102	JC	2/14/24 10:57	8.81	20.00	JC	2/14/2024	10:58	11:13	Bladder Pump	2"	3.5	233.3
006	G103	JC	2/14/24 11:34	11.96	26.90	JC	2/14/2024	11:35	11:50	Bladder Pump	2"	3.0	200.0
007	G105	JC	2/14/24 12:01	9.32	27.70	JC	2/14/2024	12:02	12:13	Bladder Pump	2"	2.0	181.8
008	G106	JC	2/14/24 12:47	10.02	25.60	JC	2/14/2024	12:48	12:58	Bladder Pump	2"	2.0	200.0
009	G107	JC	2/14/24 13:07	10.52	22.70	JC	2/14/2024	13:08	13:30	Bladder Pump	2"	3.5	159.1
010	G108	JC	2/14/24 13:37	11.43	26.60	JC	2/14/2024	13:38	13:47	Bladder Pump	2"	2.0	222.2
011	G109	JC	2/14/24 13:56	11.90	26.30	JC	2/14/2024	13:56	14:05	Bladder Pump	2"	2.0	222.2
012	G110	JC	2/14/24 14:12	12.76	27.50	JC	2/14/2024	14:12	14:21	Bladder Pump	2"	2.0	222.2
013	G111	JC	2/15/24 8:52	14.03	24.30	JC	2/15/2024	08:54	09:03	Bladder Pump	2"	1.5	166.7
014	G119	JC	2/15/24 9:37	15.40	27.40	JC	2/15/2024	09:38	09:47	Bladder Pump	2"	1.5	166.7
015	G120	JC	2/15/24 9:54	15.84	26.70	JC	2/15/2024	09:55	10:04	Bladder Pump	2"	2.0	222.2
016	G121	JC	2/15/24 10:22	17.34	29.10	JC	2/15/2024	10:23	10:40	Bladder Pump	2"	3.0	176.5
017	G122	JC	2/15/24 10:52	17.96	26.50	JC	2/15/2024	10:53	11:05	Bladder Pump	2"	2.0	166.7
018	G123	JC	2/15/24 11:20	16.60	30.90	JC	2/15/2024	11:22	11:31	Bladder Pump	2"	1.5	166.7
019	G124	JC	2/15/24 11:44	17.42	26.70	JC	2/15/2024	11:44	11:53	Bladder Pump	2"	1.5	166.7
020	G125	JC	2/15/24 12:05	17.39	26.70	JC	2/15/2024	12:06	12:19	Bladder Pump	2"	2.0	153.8
021	G126	JC	2/15/24 13:13	10.55	20.40	JC	2/15/2024	13:13	13:22	Bladder Pump	2"	1.5	166.7
022	G151	JC	2/19/24 8:58	12.13	23.60	JC	2/19/2024	09:00	09:11	Bladder Pump	2"	3.0	272.7
023	G152	JC	2/19/24 10:21	11.14	22.00	JC	2/19/2024	10:27	11:09	Submersible Pump	2"	13.0	309.5
024	G153	JC	2/19/24 9:59	13.73	23.90	JC	2/19/2024	09:59	10:09	Bladder Pump	2"	2.5	250.0
025	G154	JC	2/19/24 9:29	13.36	22.80	JC	2/19/2024	09:29	09:48	Bladder Pump	2"	4.5	236.8
026	G155	JC	2/16/24 9:56	13.42	26.20	JC	2/16/2024	09:56	10:37	Bladder Pump	2"	6.0	146.3
027	G200	JC	2/21/24 8:47	5.62	20.70	JC	2/21/2024	08:48	09:03	Submersible Pump	2"	4.5	300.0
028	G206	BG	2/13/24 11:35	11.50	26.30	BG	2/13/2024	11:35	11:44	Bladder Pump	2"	2.5	277.8
029	G206D	JC	2/16/24 9:22	29.30		JC	2/16/2024	09:22	09:31	Bladder Pump	2"	2.0	222.2
030	G207	DC	2/15/24 11:26	11.50	26.60	DC	2/15/2024	11:27	11:55	Peristaltic Pump	2"	6.0	214.3
031	G208	BG	2/13/24 10:45	10.80	26.60	BG	2/13/2024	10:45	11:00	Bladder Pump	2"	2.5	166.7
032	G209	BG	2/13/24 10:10	10.59	25.50	BG	2/13/2024	10:11	10:30	Bladder Pump	2"	2.6	136.8
033	G210	BG	2/13/24 9:30	11.71	25.00	BG	2/13/2024	09:30	09:48	Bladder Pump	2"	3.0	166.7
034	G211	JC	2/14/24 10:29	12.50	26.30	JC	2/14/2024	10:29	10:46	Bladder Pump	2"	3.0	176.5
035	G212	JC	2/14/24 10:06	12.95	26.30	JC	2/14/2024	10:07	10:17	Bladder Pump	2"	2.5	250.0
036	G213	JC	2/14/24 9:30	13.23	26.50	JC	2/14/2024	09:31	09:55	Bladder Pump	2"	4.0	166.7
037	G214	BG	2/13/24 14:22	16.06	26.50	BG	2/13/2024	14:22	14:37	Bladder Pump	2"	2.0	133.3
038	G215	BG	2/13/24 13:49	15.60	26.90	BG	2/13/2024	13:49	14:12	Bladder Pump	2"	3.0	130.4
039	G216	BG	2/13/24 12:52	14.88	28.50	BG	2/13/2024	12:52	13:40	Bladder Pump	2"	12.0	250.0
040	G217	BG	2/13/24 12:24	16.17	28.40	BG	2/13/2024	00:12	12:40	Bladder Pump	2"	2.0	2.7
041	G218	BG	2/13/24 12:01	15.07	28.50	BG	2/13/2024	12:01	12:11	Bladder Pump	2"	2.5	250.0
042	G270	JC	2/19/24 11:28	2.86	20.40	JC	2/19/2024	11:29	11:56	Bladder Pump	2"	4.0	148.1

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

		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)
043	G271	JC	2/19/24 12:10	11.05	18.70	JC	2/19/2024	12:11	12:20	Bladder Pump	2"	1.5	166.7
044	G272	JC	2/19/24 12:30	10.25	17.40	JC	2/19/2024	12:31	12:51	Bladder Pump	2"	3.0	150.0
045	G273	JC	2/19/24 13:03	10.95	18.90	JC	2/19/2024	13:03	13:18	Bladder Pump	2"	3.0	200.0
046	G274	JC	2/19/24 13:35	14.33	20.40	JC	2/19/2024	13:36	13:45	Bladder Pump	2"	2.0	222.2
047	G275	JC	2/19/24 14:07	13.35	15.30	JC	2/19/2024	14:14	14:21	Bladder Pump	2"	1.0	142.9
048	G275D	JC	2/19/24 13:54	38.99	62.70	JC	2/19/2024	13:55	14:05	Bladder Pump	2"	2.0	200.0
049	G276	JC	2/20/24 8:57	27.70	30.90	JC	2/20/2024	09:06	09:21	Submersible Pump	2"	4.0	266.7
050	G277	JC	2/20/24 9:30	20.26	22.30	JC	2/20/2024	09:31	09:40	Bladder Pump	2"	1.0	111.1
051	G278	TAC	2/15/24 10:34	25.14	26.40	TAC	2/15/2024	10:37	11:03	Peristaltic Pump	2"	3.0	115.4
052	G279	JC	2/20/24 10:15	24.63	30.80	JC	2/20/2024	10:16	10:25	Bladder Pump	2"	1.0	111.1
053	G280	JC	2/20/24 10:50	6.40	20.20	JC	2/20/2024	10:51	11:10	Bladder Pump	2"	3.0	157.9
054	G281	JC	2/15/24 13:47	5.91	22.80	JC	2/15/2024	13:48	14:22	Bladder Pump	2"	6.0	176.5
055	G283	JC	2/21/24 9:32	5.30	20.80	JC	2/21/2024	09:32	10:11	Bladder Pump	2"	5.0	128.2
056	G284	DC	2/20/24 13:52	11.77	16.30	DC	2/20/2024	13:54	14:26	Bladder Pump	2"	5.0	156.3
057	G285	DC	2/20/24 12:49	6.65	26.80	DC	2/20/2024	12:51	13:18	Bladder Pump	2"	3.0	111.1
058	G301	DC	2/19/24 11:44	6.95	18.60	DC	2/19/2024	11:44	12:03	Bladder Pump	2"	5.0	263.2
059	G302	DC	2/19/24 12:44	9.55	20.50	DC	2/19/2024	12:45	13:27	Bladder Pump	2"	8.0	190.5
060	G303	TAC	2/14/24 9:54	5.72	23.30	DC	2/14/2024	09:55	10:23	Bladder Pump	2"	4.0	142.9
061	G305	DC	2/19/24 14:36	6.66	21.50	DC	2/19/2024	14:37	14:56	Bladder Pump	2"	6.0	315.8
062	G306	DC	2/14/24 10:59	6.78	20.90	DC	2/14/2024	11:00	11:35	Bladder Pump	2"	10.0	285.7
063	G307	TAC	2/14/24 13:55	0.05	20.60	TAC	2/14/2024	13:55	14:58	Peristaltic Pump	2"	13.0	206.3
064	G307D	DC	2/14/24 13:05	5.04	62.00	DC	2/14/2024	13:06	13:42	Bladder Pump	2"	7.0	194.4
065	G308	TAC	2/16/24 9:37	4.79	18.20	DC	2/16/2024	09:38	10:04	Bladder Pump	2"	4.0	153.8
066	G310	TAC	2/19/24 11:01	8.78	18.40	DC	2/19/2024	11:01	11:24	Bladder Pump	2"	6.0	260.9
067	G312	DC	2/19/24 13:47	11.95	17.80	DC	2/19/2024	13:47	14:11	Bladder Pump	2"	6.0	250.0
068	G313	TAC	2/13/24 13:43	3.71	14.30	TAC	2/13/2024	13:43	14:19	Bladder Pump	2"	10.0	277.8
069	G314	TAC	2/13/24 12:50	6.70	22.80	TAC	2/13/2024	12:51	13:11	Bladder Pump	2"	3.5	175.0
070	G314D	TAC	2/13/24 11:56	6.15	52.30	TAC	2/13/2024	11:58	12:20	Bladder Pump	2"	4.0	181.8
071	G315	DC	2/14/24 12:21	2.40	17.40	DC	2/14/2024	12:23	12:45	Bladder Pump	2"	6.0	272.7
072	G316	TAC	2/13/24 10:57	11.91	18.10	TAC	2/13/2024	11:07	11:31	Bladder Pump	2"	6.0	250.0
073	G401	JC	2/21/24 12:33	21.96	21.80	JC	2/21/2024	12:33	12:46	Bladder Pump	2"	1.5	115.4
074	G402	JC	2/21/24 13:29	9.81	23.40	JC	2/21/2024	13:29	13:44	Bladder Pump	2"	1.8	116.7
075	G403	JC	2/21/24 11:28	6.41	20.80	JC	2/21/2024	11:28	11:43	Bladder Pump	2"	3.0	200.0
076	G404	JC	2/21/24 10:26	4.30	14.10	JC	2/21/2024	10:26	10:37	Bladder Pump	2"	1.5	136.4
077	G405	JC	2/21/24 10:53	6.30	16.40	JC	2/21/2024	10:54	11:09	Bladder Pump	2"	2.0	133.3
078	G406	JC	2/21/24 12:01	12.13	22.30	JC	2/21/2024	12:01	12:11	Bladder Pump	2"	2.0	200.0
079	G407	DC	2/20/24 9:31	6.10	23.00	DC	2/20/2024	09:32	10:15	Bladder Pump	2"	7.0	162.8
080	G410	DC	2/20/24 10:51	8.75	16.70	DC	2/20/2024	10:52	11:18	Bladder Pump	2"	5.0	192.3
081	G411	DC	2/20/24 11:49	7.54	19.20	DC	2/20/2024	11:50	12:13	Bladder Pump	2"	4.0	173.9
082	L201	JC	2/22/24 9:54	2.10									
083	L202	JC	2/22/24 9:49	2.21									
084	L203	JC	2/22/24 10:03	2.06									

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

		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)
085	NE Riser	JC	2/21/24 14:14	7.02		JC	2/21/2024	14:16	14:25	Bladder Pump	2"	2.0	222.2
086	R104	JC	2/14/24 12:22	8.65	22.70	JC	2/14/2024	12:23	12:38	Bladder Pump	2"	2.0	133.3
087	R201	JC	2/20/24 13:47	4.06	22.20	JC	2/20/2024	13:48	14:05	Submersible Pump	2"	5.0	294.1
088	R205	JC	2/14/24 8:55	6.71	19.00	JC	2/14/2024	08:56	09:22	Bladder Pump	2"	6.0	230.8
089	SG-02	TAC	2/12/24 15:01	7.22				00:00					
090	SG-03	BG	2/12/24 11:43	8.44				00:00					
091	T127	JC	2/20/24 11:41	14.63		JC	2/20/2024	11:42	12:58	Bladder Pump	2"	10.0	131.6
092	T128	JC	2/15/24 9:17	14.67	28.70	JC	2/15/2024	09:17	09:29	Bladder Pump	2"	2.0	166.7
093	X201	JC	2/20/24 11:29	27.91		JC	2/20/2024	08:47	08:47	Bailer			
094	XPW01	TAC	2/19/24 10:27	5.32	16.10	DC	2/19/2024	10:31	10:48	Bladder Pump	2"	6.0	352.9
095	XPW02	DC	2/16/24 10:30	10.40	21.30	DC	2/16/2024	10:31	10:45	Bladder Pump	2"	4.0	285.7
096	XSG-01	TAC	2/12/24 15:10	6.72									
097	Field Blank												
098	G102 Duplicate	JC	2/14/24 10:57	8.81	20.00	JC	2/14/2024	10:58	11:13	Bladder Pump	2"	3.5	233.3
099	G200 Duplicate	JC	2/21/24 8:47	5.62	20.70	JC	2/21/2024	08:48	09:03	Submersible Pump	2"	4.5	300.0
100	G273 Duplicate	JC	2/19/24 13:03	10.95	18.90	JC	2/19/2024	13:03	13:18	Bladder Pump	2"	3.0	200.0
101	G301 Duplicate	DC	2/19/24 11:44	6.95	18.60	DC	2/19/2024	11:44	12:03	Bladder Pump	2"	5.0	263.2
102	R201 Duplicate	JC	2/20/24 13:47	4.06	22.20	JC	2/20/2024	13:48	14:05	Submersible Pump	2"	5.0	294.1
103	Equipment Blank 1												

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

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	AP2D	JC	02/21/24	14:54	Low Flow	No	Slightly cloudy	None	rust	20.58	0.24
002	G1001	TAC	02/15/24	13:23	Low Flow	No	Clear	None	none	9.40	3.09
003	G1003	JC	02/21/24	14:02							
004	G101	JC	02/15/24	13:03	Low Flow	Yes	Clear	None	none	9.69	0.00
005	G102	JC	02/14/24	11:13	Low Flow	Yes	Clear	None	none	8.81	0.00
006	G103	JC	02/14/24	11:50	Low Flow	Yes	Clear	None	none	13.32	1.36
007	G105	JC	02/14/24	12:13	Low Flow	Yes	Clear	None	none	10.00	0.68
008	G106	JC	02/14/24	12:58	Low Flow	Yes	Clear	None	none	10.02	0.00
009	G107	JC	02/14/24	13:30	Low Flow	Yes	Clear	None	none	10.52	0.00
010	G108	JC	02/14/24	13:47	Low Flow	Yes	Clear	None	none	11.43	0.00
011	G109	JC	02/14/24	14:05	Low Flow	Yes	Clear	None	none	11.90	0.00
012	G110	JC	02/14/24	14:21	Low Flow	Yes	Clear	None	none	12.76	0.00
013	G111	JC	02/15/24	09:03	Low Flow	Yes	Clear	None	none	14.03	0.00
014	G119	JC	02/15/24	09:47	Low Flow	Yes	Clear	None	none	15.40	0.00
015	G120	JC	02/15/24	10:04	Low Flow	Yes	Clear	None	none	18.06	2.22
016	G121	JC	02/15/24	10:40	Low Flow	Yes	Clear	None	none	19.47	2.13
017	G122	JC	02/15/24	11:05	Low Flow	Yes	Clear	None	none	19.67	1.71
018	G123	JC	02/15/24	11:31	Low Flow	Yes	Clear	None	none	16.60	0.00
019	G124	JC	02/15/24	11:53	Low Flow	Yes	Clear	None	none	17.42	0.00
020	G125	JC	02/15/24	12:19	Low Flow	Yes	Clear	None	none	18.66	1.27
021	G126	JC	02/15/24	13:22	Low Flow	Yes	Clear	None	none	10.55	0.00
022	G151	JC	02/19/24	09:11	Low Flow	Yes	Clear	None	none	12.13	0.00
023	G152	JC	02/19/24	11:09	Low Flow	Yes	Slightly cloudy	None	lt brown	18.35	7.21
024	G153	JC	02/19/24	10:09	Low Flow	Yes	Clear	None	none	13.73	0.00
025	G154	JC	02/19/24	09:48	Low Flow	Yes	Clear	None	none	13.36	0.00
026	G155	JC	02/16/24	10:37	Low Flow	Yes	Slightly cloudy	None	none	13.42	0.00
027	G200	JC	02/21/24	09:03	Low Flow	Yes	Clear	None	none	6.06	0.44
028	G206	bg	02/13/24	11:44	Low Flow	Yes	Clear	None	Clear	13.61	2.11
029	G206D	JC	02/16/24	09:31	Low Flow	Yes	Clear	None	none	29.30	0.00
030	G207	TAC	02/15/24	11:55	Low Flow	Yes	Clear	None	Clear	15.44	3.94
031	G208	BG	02/13/24	11:00	Low Flow	Yes	Clear	None	Clear	10.79	-0.01
032	G209	BG	02/13/24	10:30	Low Flow	Yes	Clear	None	Clear	12.28	1.69
033	G210	BG	02/13/24	09:48	Low Flow	Yes	Clear	None	Clear	12.55	0.84
034	G211	JC	02/14/24	10:46	Low Flow	Yes	Clear	None	none	12.50	0.00
035	G212	JC	02/14/24	10:17	Low Flow	Yes	Clear	None	none	12.95	0.00
036	G213	JC	02/14/24	09:55	Low Flow	Yes	Clear	None	none	13.23	0.00
037	G214	BG	02/13/24	14:37	Low Flow	Yes	Clear	None	Clear	17.04	0.98
038	G215	BG	02/13/24	14:12	Low Flow	Yes	Clear	None	Clear	15.77	0.17
039	G216	BG	02/13/24	13:40	Low Flow	Yes	Cloudy	None	Clear	17.65	2.77
040	G217	BG	02/13/24	12:40	Low Flow	Yes	Clear	None	Clear	16.10	-0.07
041	G218	BG	02/13/24	12:11	Low Flow	Yes	Clear	None	Clear	15.00	-0.07
042	G270	JC	02/19/24	11:56	Low Flow	Yes	Slightly cloudy	None	none	3.25	0.39

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

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)
043	G271	JC	02/19/24	12:20	Low Flow	Yes	Clear	None	none	12.18	1.13
044	G272	JC	02/19/24	12:51	Low Flow	Yes	Clear	None	none	10.25	0.00
045	G273	JC	02/19/24	13:18	Low Flow	Yes	Clear	None	none	10.95	0.00
046	G274	JC	02/19/24	13:45	Low Flow	Yes	Clear	None	none	14.33	0.00
047	G275	JC	02/19/24	14:21	Low Flow	Yes	Clear	None	none	13.35	0.00
048	G275D	JC	02/19/24	14:05	Low Flow	No	Clear	Moderate	none	41.52	2.53
049	G276	JC	02/20/24	09:21	Low Flow	Yes	Clear	None	none	30.84	3.14
050	G277	JC	02/20/24	09:40	Low Flow	Yes	Clear	None	none	20.26	0.00
051	G278	TAC	02/15/24	11:03	Low Flow	Yes	Clear	None	Clear	26.25	1.11
052	G279	JC	02/20/24	10:25	Low Flow	Yes	Clear	None	none	24.63	0.00
053	G280	JC	02/20/24	11:10	Low Flow	Yes	Slightly cloudy	None	none	6.40	0.00
054	G281	JC	02/15/24	14:22	Low Flow	Yes	Slightly cloudy	None	none	5.91	0.00
055	G283	JC	02/21/24	10:11	Low Flow	No	Slightly cloudy	None	none	5.35	0.05
056	G284	TAC	02/20/24	14:26	Low Flow	No	Clear	None	Clear	12.28	0.51
057	G285	TAC	02/20/24	13:18	Low Flow	No	Clear	None	Clear	10.76	4.11
058	G301	TAC	02/19/24	12:03	Low Flow	No	Clear	None	none	8.49	1.54
059	G302	TAC	02/19/24	13:27	Low Flow	No	Clear	None	Clear	11.34	1.79
060	G303	TAC	02/14/24	10:23	Low Flow	No	Clear	None	Clear	7.19	1.47
061	G305	TAC	02/19/24	14:56	Low Flow	No	Clear	None	Clear	6.74	0.08
062	G306	TAC	02/14/24	11:35	Low Flow	No	Clear	None	Clear	8.99	2.21
063	G307	TAC	02/14/24	14:58	Low Flow	No	Cloudy	None	Lite Brown	0.05	0.00
064	G307D	TAC	02/14/24	13:42	Low Flow	No	Clear	None	none	6.18	1.14
065	G308	TAC	02/16/24	10:04	Low Flow	No	Clear	None	none	5.36	0.57
066	G310	TAC	02/19/24	11:24	Low Flow	No	Clear	None	none	9.24	0.46
067	G312	TAC	02/19/24	14:11	Low Flow	No	Clear	None	none	13.00	1.05
068	G313	TAC	02/13/24	14:19	Low Flow	No	Clear	Slight	none	4.44	0.73
069	G314	TAC	02/13/24	13:11	Low Flow	No	Clear	None	Clear	11.38	4.68
070	G314D	TAC	02/13/24	12:20	Low Flow	No	Clear	None	Clear	12.39	6.24
071	G315	TAC	02/14/24	12:45	Low Flow	No	Clear	None	Clear	3.00	0.60
072	G316	TAC	02/13/24	11:31	Low Flow	No	Clear	None	Clear	12.71	0.80
073	G401	JC	02/21/24	12:46	Low Flow	Yes	Slightly cloudy	None	none	22.12	0.16
074	G402	JC	02/21/24	13:44	Low Flow	Yes	Slightly cloudy	None	none	9.81	0.00
075	G403	JC	02/21/24	11:43	Low Flow	Yes	Clear	None	none	6.96	0.55
076	G404	JC	02/21/24	10:37	Low Flow	Yes	Clear	None	none	4.30	0.00
077	G405	JC	02/21/24	11:09	Low Flow	Yes	Clear	None	none	6.30	0.00
078	G406	JC	02/21/24	12:11	Low Flow	Yes	Clear	None	none	12.13	0.00
079	G407	TAC	02/20/24	10:15	Low Flow	Yes	Clear	None	Clear	12.62	6.52
080	G410	TAC	02/20/24	11:18	Low Flow	Yes	Clear	None	Clear	10.10	1.35
081	G411	TAC	02/20/24	12:13	Low Flow	Yes	Clear	None	Clear	7.86	0.32
082	L201	JC	02/22/24	09:56	No purge	No	Slightly cloudy	Slight	none		
083	L202	JC	02/22/24	09:50	No purge	No	Slightly cloudy	Slight	none		
084	L203	JC	02/22/24	10:04	No purge	No	Slightly cloudy	Slight	none		

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

		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)**
085	NE Riser	JC	02/21/24	14:25	Low Flow	No	Clear	None	none		
086	R104	JC	02/14/24	12:38	Low Flow	Yes	Clear	None	none	10.66	2.01
087	R201	JC	02/20/24	14:05	Low Flow	Yes	Clear	None	none	6.06	2.00
088	R205	JC	02/14/24	09:22	Low Flow	Yes	Clear	None	none	6.71	0.00
089	SG-02										
090	SG-03										
091	T127	JC	02/20/24	12:58	Low Flow	Yes	Slightly cloudy	None	none	14.63	0.00
092	T128	JC	02/15/24	09:29	Low Flow	Yes	Clear	None	none	14.67	0.00
093	X201	JC	02/20/24	08:47	No purge	No	Clear	None	none	27.91	0.00
094	XPW01	TAC	02/19/24	10:48	Low Flow	No	Clear	None	none	5.32	0.00
095	XPW02	TAC	02/16/24	10:45	Low Flow	No	Clear	None	none	10.71	0.31
096	XSG-01										
097	Field Blank	JC	02/21/24	15:03							
098	G102 Duplicate	JC	02/14/24	11:13	Low Flow	Yes	Clear	None	none	8.81	0.00
099	G200 Duplicate	JC	02/21/24	09:03	Low Flow	Yes	Clear	None	none	6.06	0.44
100	G273 Duplicate	JC	02/19/24	13:18	Low Flow	Yes	Clear	None	none	10.95	0.00
101	G301 Duplicate	TAC	02/19/24	12:03	Low Flow	No	Clear	None	none	8.49	1.54
102	R201 Duplicate	JC	02/20/24	14:05	Low Flow	Yes	Clear	None	none	6.06	2.00
103	Equipment Blank 1	JC	02/21/24	14:58							

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

WO Sample	Well ID	COMMENTS
001	AP2D	
002	G1001	
003	G1003	DTW is bottom of well. No pump in well. Hard bottom.
004	G101	
005	G102	
006	G103	
007	G105	
008	G106	
009	G107	
010	G108	
011	G109	
012	G110	
013	G111	
014	G119	
015	G120	
016	G121	
017	G122	
018	G123	
019	G124	
020	G125	
021	G126	
022	G151	
023	G152	
024	G153	
025	G154	
026	G155	
027	G200	
028	G206	
029	G206D	
030	G207	
031	G208	
032	G209	
033	G210	
034	G211	
035	G212	
036	G213	
037	G214	
038	G215	
039	G216	
040	G217	
041	G218	
042	G270	

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

WO Sample	Well ID	COMMENTS
043	G271	
044	G272	
045	G273	
046	G274	
047	G275	13.35 to T.O.P.
048	G275D	
049	G276	
050	G277	20.26 to T.O.P.
051	G278	Well went dry during fill of bottles. Waited for recharge to
052	G279	
053	G280	
054	G281	
055	G283	
056	G284	Water level below T.O.P.
057	G285	
058	G301	
059	G302	
060	G303	
061	G305	
062	G306	
063	G307	
064	G307D	
065	G308	
066	G310	
067	G312	
068	G313	
069	G314	
070	G314D	
071	G315	
072	G316	
073	G401	ending depth was TOP.
074	G402	
075	G403	
076	G404	
077	G405	
078	G406	
079	G407	
080	G410	
081	G411	
082	L201	Sampled direct from leachate line; DTW from control panel
083	L202	Sampled direct from leachate line; DTW from control panel
084	L203	Sampled direct from leachate line; DTW from control panel

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

WO Sample	Well ID	COMMENTS
085	NE Riser	
086	R104	
087	R201	
088	R205	
089	SG-02	
090	SG-03	
091	T127	
092	T128	
093	X201	grab - not a well. Reading is in meter as R201.
094	XPW01	
095	XPW02	
096	XSG-01	
097	Field Blank	
098	G102 Duplicate	
099	G200 Duplicate	
100	G273 Duplicate	
101	G301 Duplicate	
102	R201 Duplicate	
103	Equipment Blank 1	

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Coffeen- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID	LIMS ID
AP2D	2/21/2024	14:54	17.7	63.9	6.70	1,915.4	1.96	59.03	150.4	20.34	45720	24020001-001A
G1001	2/15/2024	13:23	10.1	50.2	6.97	1,312.2	4.50	5.55	157.7	6.31	45600	24020001-002A
G1003	2/21/2024	14:02	*Dry- No Sample*							N/A	N/A	24020001-003A
G101	2/15/2024	13:03	12.8	55.0	7.21	860.7	1.27	14.55	148.3	9.69	45720	24020001-004A
G102	2/14/2024	11:13	12.7	54.9	7.17	980.2	2.40	8.69	148.7	8.81	45720	24020001-005A
G103	2/14/2024	11:50	13.9	57.0	7.10	903.4	4.60	9.94	147.5	11.96	45720	24020001-006A
G105	2/14/2024	12:12	14.3	57.7	7.10	891.5	2.22	8.80	147.6	9.32	45720	24020001-007A
G106	2/14/2024	12:58	13.3	55.9	7.08	1,024.1	4.78	5.75	150.0	10.02	45720	24020001-008A
G107	2/14/2024	13:30	13.8	56.8	7.24	808.8	5.47	14.00	145.7	10.52	45720	24020001-009A
G108	2/14/2024	13:47	14.0	57.2	7.19	795.0	4.04	7.68	146.8	11.43	45720	24020001-010A
G109	2/14/2024	14:05	14.1	57.4	6.96	1,003.4	2.01	8.96	153.4	11.90	45720	24020001-011A
G110	2/14/2024	14:21	14.2	57.6	6.92	940.8	2.70	6.82	153.6	12.76	45720	24020001-012A
G111	2/15/2024	9:03	13.4	56.1	6.56	910.2	3.34	1.72	178.1	14.03	45720	24020001-013A
G119	2/15/2024	9:47	13.7	56.7	7.11	749.3	4.81	2.19	159.4	15.40	45720	24020001-014A
G120	2/15/2024	10:04	13.6	56.5	7.09	925.1	6.57	4.11	160.2	15.84	45720	24020001-015A
G121	2/15/2024	10:40	12.8	55.0	7.03	1,014.1	6.11	10.95	160.5	17.34	45720	24020001-016A
G122	2/15/2024	11:05	13.4	56.1	6.85	1,218.1	5.63	10.73	164.8	17.96	45720	24020001-017A
G123	2/15/2024	11:31	13.4	56.1	7.05	1,008.5	3.28	8.59	149.7	16.60	45720	24020001-018A
G124	2/15/2024	11:53	13.4	56.1	7.16	915.8	5.35	3.83	150.9	17.42	45720	24020001-019A
G125	2/15/2024	12:19	14.0	57.2	7.31	941.7	6.43	2.26	150.6	17.39	45720	24020001-020A
G126	2/15/2024	13:22	13.2	55.8	7.19	874.3	3.69	1.46	151.4	10.55	45720	24020001-021A
G151	2/19/2024	9:11	13.0	55.4	6.90	947.4	4.49	5.97	176.0	12.13	45720	24020001-022A
G152	2/19/2024	11:09	11.0	51.8	7.10	882.0	3.80	28.58	148.9	11.14	45720	24020001-023A
G153	2/19/2024	10:09	13.1	55.6	6.69	4,105.7	2.65	3.82	167.6	13.73	45720	24020001-024A
G154	2/19/2024	9:48	13.4	56.1	7.23	689.8	2.29	9.35	148.5	13.36	45720	24020001-025A
G155	2/16/2024	10:37	12.3	54.1	7.17	987.2	3.75	17.60	140.6	13.42	45720	24020001-026A
G200	2/21/2024	9:03	11.8	53.2	6.69	861.9	2.45	10.96	170.9	5.62	45720	24020001-027A
G206	2/13/2024	11:44	14.3	57.7	7.17	875.0	1.48	4.45	95.5	11.50	45720	24020001-028A
G206D	2/16/2024	9:31	11.7	53.1	6.63	1,038.4	2.53	6.33	172.8	29.30	45720	24020001-029A
G207	2/15/2024	11:55	13.6	56.5	7.18	612.2	2.81	1.87	124.5	11.50	45600	24020001-030A
G208	2/13/2024	11:00	14.0	57.2	7.29	582.7	4.91	2.77	129.4	10.80	45720	24020001-031A
G209	2/13/2024	10:30	13.6	56.5	6.83	1,277.6	1.65	6.89	139.2	10.59	45720	24020001-032A
G210	2/13/2024	9:48	13.7	56.7	7.12	941.5	3.57	11.31	138.6	11.71	45720	24020001-033A
G211	2/14/2024	10:46	14.5	58.1	7.17	841.2	3.41	14.18	149.7	12.50	45720	24020001-034A
G212	2/14/2024	10:17	13.9	57.0	7.09	736.4	4.26	3.41	152.2	12.95	45720	24020001-035A
G213	2/14/2024	9:55	13.7	56.7	6.98	722.7	4.92	11.77	156.6	13.23	45720	24020001-036A
G214	2/13/2024	14:37	14.5	58.1	7.09	1,011.7	2.71	7.95	114.8	16.06	45720	24020001-037A
G215	2/13/2024	14:12	14.1	57.4	6.85	2,017.8	1.61	10.14	121.5	15.60	45720	24020001-038A
G216	2/13/2024	13:39	14.6	58.3	6.83	2,206.5	1.10	11.15	103.7	14.88	45720	24020001-039A
G217	2/13/2024	12:40	14.2	57.6	6.85	1,593.3	1.56	11.23	128.9	16.17	45720	24020001-040A
G218	2/13/2024	12:11	14.2	57.6	6.86	1,564.1	1.69	20.20	125.2	15.07	45720	24020001-041A
G270	2/19/2024	11:56	10.6	51.1	7.15	733.0	2.98	23.96	147.0	2.86	45720	24020001-042A
G271	2/19/2024	12:20	13.2	55.8	7.28	1,030.5	6.01	7.82	148.8	11.05	45720	24020001-043A
G272	2/19/2024	12:51	13.0	55.4	7.25	1,297.0	5.58	8.34	151.8	10.25	45720	24020001-044A
G273	2/19/2024	13:18	13.6	56.5	6.99	1,680.5	1.76	9.78	151.0	10.95	45720	24020001-045A
G274	2/19/2024	13:45	13.8	56.8	7.13	1,043.2	2.98	2.04	143.2	14.33	45720	24020001-046A
G275	2/19/2024	14:21	12.9	55.2	6.95	1,407.7	4.06	5.69	134.4	13.35	45720	24020001-047A

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Coffeen- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID	LIMS ID
G275D	2/19/2024	14:05	13.8	56.8	7.19	1,501.8	1.91	13.32	129.9	38.99	45720	24020001-048A
G276	2/20/2024	9:21	12.2	54.0	6.68	1,348.3	5.92	16.95	173.7	27.70	45720	24020001-049A
G277	2/20/2024	9:40	12.4	54.3	6.65	1,910.1	4.41	11.76	172.9	20.26	45720	24020001-050A
G278	2/15/2024	11:03	12.8	55.0	6.65	3,507.0	1.48	7.42	145.9	25.14	45600	24020001-051A
G279	2/20/2024	10:25	14.3	57.7	6.75	5,991.5	3.65	4.72	173.7	24.63	45720	24020001-052A
G280	2/20/2024	11:10	12.2	54.0	7.36	883.1	3.51	26.73	135.9	6.40	45720	24020001-053A
G281	2/15/2024	14:22	12.8	55.0	6.92	1,368.1	2.53	31.10	155.5	5.91	45720	24020001-054A
G283	2/21/2024	10:11	11.1	52.0	6.88	1,271.7	1.01	22.65	156.0	5.30	45720	24020001-055A
G284	2/20/2024	14:26	11.7	53.1	7.13	653.4	2.51	2.87	128.4	11.77	45600	24020001-056A
G285	2/20/2024	13:18	12.4	54.3	6.74	1,558.9	0.53	12.10	126.9	6.65	45600	24020001-057A
G301	2/19/2024	12:03	12.2	54.0	6.59	991.1	0.72	22.24	109.9	6.95	45600	24020001-058A
G302	2/19/2024	13:27	12.5	54.5	6.66	1,371.4	1.64	69.26	25.0	9.55	45600	24020001-059A
G303	2/14/2024	10:23	11.7	53.1	6.69	1,751.6	1.38	30.79	116.5	5.72	45600	24020001-060A
G305	2/19/2024	14:56	13.1	55.6	7.16	1,443.0	0.64	23.73	95.6	6.66	45600	24020001-061A
G306	2/14/2024	11:35	12.9	55.2	6.34	663.0	2.42	30.08	137.2	6.78	45600	24020001-062A
G307	2/14/2024	14:58	14.8	58.6	6.93	1,046.5	1.09	256.42	98.6	0.05	45600	24020001-063A
G307D	2/14/2024	13:42	14.1	57.4	7.07	1,207.3	2.50	16.04	30.5	5.04	45600	24020001-064A
G308	2/16/2024	10:04	11.3	52.3	7.08	1,533.1	0.56	6.78	119.4	4.79	45600	24020001-065A
G310	2/19/2024	11:24	12.7	54.9	7.07	1,141.7	0.52	2.32	93.4	8.78	45600	24020001-066A
G312	2/19/2024	14:11	12.6	54.7	6.33	1,454.0	1.15	3.37	83.9	11.95	45600	24020001-067A
G313	2/13/2024	14:19	12.2	54.0	6.78	1,625.5	0.34	33.28	91.4	3.71	45600	24020001-068A
G314	2/13/2024	13:11	11.8	53.2	6.56	2,975.1	0.54	116.64	4.9	6.70	45600	24020001-069A
G314D	2/13/2024	12:20	12.5	54.5	6.80	2,524.5	0.40	115.06	-15.6	6.15	45600	24020001-070A
G315	2/14/2024	12:45	11.8	53.2	6.69	1,161.3	0.62	3.06	153.2	2.40	45600	24020001-071A
G316	2/13/2024	11:31	10.9	51.6	6.87	1,742.0	0.68	1.21	-68.4	11.91	45600	24020001-072A
G401	2/21/2024	12:46	15.8	60.4	5.68	2,985.8	1.38	9.98	177.0	21.96	45720	24020001-073A
G402	2/21/2024	13:44	13.9	57.0	6.75	1,711.6	4.12	29.32	147.0	9.81	45720	24020001-074A
G403	2/21/2024	11:43	13.3	55.9	6.88	738.3	2.57	7.53	146.4	6.41	45720	24020001-075A
G404	2/21/2024	10:37	11.2	52.2	6.84	1,262.6	3.13	5.14	151.4	4.30	45720	24020001-076A
G405	2/21/2024	11:09	12.5	54.5	6.85	2,026.2	2.81	8.87	152.9	6.30	45720	24020001-077A
G406	2/21/2024	12:11	15.2	59.4	6.58	1,417.7	2.87	0.71	158.2	12.13	45720	24020001-078A
G407	2/20/2024	10:15	13.0	55.4	6.78	1,849.5	3.48	6.85	141.3	6.10	45600	24020001-079A
G410	2/20/2024	11:18	12.0	53.6	6.46	957.3	1.79	1.46	118.6	8.75	45600	24020001-080A
G411	2/20/2024	12:13	12.5	54.5	7.25	742.1	2.18	6.15	118.8	7.54	45600	24020001-081A
L201	2/22/2024	9:56	16.0	60.8	11.54	6,499.0	7.07	4.64	-38.6	2.10	45720	24020001-082A
L202	2/22/2024	9:50	18.2	64.8	11.53	15,607.5	6.09	8.56	-33.6	2.21	45720	24020001-083A
L203	2/22/2024	10:04	18.6	65.5	11.75	7,304.8	4.39	4.23	-46.2	2.06	45720	24020001-084A
NE Riser	2/21/2024	14:25	12.2	54.0	6.54	17,574.9	2.52	1.94	181.7	7.02	45720	24020001-085A
R104	2/14/2024	12:38	12.9	55.2	7.43	830.1	5.98	5.26	140.9	8.65	45720	24020001-086A
R201	2/20/2024	14:05	13.9	57.0	7.00	971.2	1.57	14.47	147.0	4.06	45720	24020001-087A
R205	2/14/2024	9:22	12.4	54.3	6.52	1,429.5	1.42	14.07	170.0	6.71	45720	24020001-088A
SG-02	2/12/2024	15:01	DTW Only							7.22	N/A	24020001-089A
SG-03	2/12/2024	11:43	DTW Only							8.44	N/A	24020001-090A
T127	2/20/2024	12:58	14.3	57.7	7.07	835.2	2.81	49.63	148.7	14.63	45720	24020001-091A
T128	2/15/2024	9:29	13.6	56.5	6.84	793.6	3.99	0.82	165.5	14.67	45720	24020001-092A
X201	2/20/2024	8:47	3.6	38.5	4.43	19,872.2	10.58	5.96	244.9	27.91	45720	24020001-093A
XPW01	2/19/2024	10:48	14.3	57.7	7.86	1,014.2	0.56	11.22	72.9	5.32	45600	24020001-094A

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Coffeen- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID	LIMS ID
XPW02	2/16/2024	10:45	16.5	61.7	7.70	667.7	0.48	4.05	-146.8	10.40	45600	24020001-095A
XSG-01	2/12/2024	15:10	DTW Only							6.72	N/A	24020001-096A
Field Blank	2/21/2024	15:03	QA/QC Sample								N/A	24020001-097A
G102 Duplicate	2/14/2024	11:13	12.7	54.9	7.17	980.2	2.40	8.69	148.7	8.81	45720	24020001-098A
G200 Duplicate	2/21/2024	9:03	11.8	53.2	6.69	861.9	2.45	10.96	170.9	5.62	45720	24020001-099A
G273 Duplicate	2/19/2024	13:18	13.6	56.5	6.99	1,680.5	1.76	9.78	151.0	10.95	45720	24020001-100A
G301 Duplicate	2/19/2024	12:03	12.2	54.0	6.59	991.1	0.72	22.24	109.9	6.95	45600	24020001-101A
R201 Duplicate	2/20/2024	14:05	13.9	57.0	7.00	971.2	1.57	14.47	147.0	4.06	45720	24020001-102A
Equipment Blank 1	2/21/2024	14:58	QA/QC Sample								N/A	24020001-103A

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP2D	2/21/2024	14:42	20.34	17.4	63.3	6.85	1,837.0	3.97	68.32	140.3
AP2D	2/21/2024	14:45	20.34	17.1	62.8	6.77	1,878.2	3.21	65.54	146.6
AP2D	2/21/2024	14:48	20.34	17.1	62.8	6.73	1,892.0	2.67	55.06	149.0
AP2D	2/21/2024	14:51	20.34	17.5	63.5	6.71	1,903.1	2.29	61.68	150.0
AP2D	2/21/2024	14:54	20.34	17.7	63.9	6.70	1,915.4	1.96	59.03	150.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1001	2/15/2024	13:14	6.31	10.2	50.4	7.00	1,325.5	5.01	9.37	159.0
G1001	2/15/2024	13:17	6.31	10.3	50.5	7.00	1,323.5	4.91	8.08	158.4
G1001	2/15/2024	13:20	6.31	10.0	50.0	6.99	1,321.3	4.70	7.58	158.0
G1001	2/15/2024	13:23	6.31	10.1	50.2	6.97	1,312.2	4.50	5.55	157.7
G1001	2/15/2024	13:14	6.31	10.2	50.4	7.00	1,325.5	5.01	9.37	159.0
G1001	2/15/2024	13:17	6.31	10.3	50.5	7.00	1,323.5	4.91	8.08	158.4
G1001	2/15/2024	13:20	6.31	10.0	50.0	6.99	1,321.3	4.70	7.58	158.0
G1001	2/15/2024	13:23	6.31	10.1	50.2	6.97	1,312.2	4.50	5.55	157.7

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1003	2/21/2024	14:02	N/A	*Dry- No Sample*						

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G101	2/15/2024	12:39	9.69	12.9	55.2	7.27	884.7	2.28	38.37	149.0
G101	2/15/2024	12:42	9.69	12.9	55.2	7.25	875.1	1.97	32.44	149.0
G101	2/15/2024	12:45	9.69	12.9	55.2	7.24	869.8	1.78	27.09	149.0
G101	2/15/2024	12:48	9.69	12.8	55.0	7.23	867.0	1.63	23.91	149.0
G101	2/15/2024	12:51	9.69	12.8	55.0	7.23	865.9	1.53	20.72	148.9
G101	2/15/2024	12:54	9.69	12.8	55.0	7.22	864.0	1.45	20.28	148.7
G101	2/15/2024	12:57	9.69	12.8	55.0	7.22	863.0	1.37	17.64	148.6
G101	2/15/2024	13:00	9.69	12.8	55.0	7.22	861.7	1.31	15.07	148.5
G101	2/15/2024	13:03	9.69	12.8	55.0	7.21	860.7	1.27	14.55	148.3

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102	2/14/2024	11:04	8.81	13.0	55.4	7.23	1,114.6	3.03	21.02	150.6
G102	2/14/2024	11:07	8.81	12.9	55.2	7.18	1,100.9	2.30	13.22	150.7
G102	2/14/2024	11:10	8.81	12.8	55.0	7.16	1,071.4	2.08	12.46	149.8
G102	2/14/2024	11:13	8.81	12.7	54.9	7.17	980.2	2.40	8.69	148.7

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G103	2/14/2024	11:44	11.96	13.9	57.0	7.13	900.2	5.10	14.74	147.0
G103	2/14/2024	11:47	11.96	13.9	57.0	7.13	898.8	4.95	12.08	147.0
G103	2/14/2024	11:50	11.96	13.9	57.0	7.10	903.4	4.60	9.94	147.5

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G105	2/14/2024	12:06	9.32	13.5	56.3	7.22	892.2	3.99	20.82	146.8
G105	2/14/2024	12:09	9.32	13.7	56.7	7.14	888.9	2.62	10.48	147.5
G105	2/14/2024	12:12	9.32	14.3	57.7	7.10	891.5	2.22	8.80	147.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G106	2/14/2024	12:52	10.02	13.4	56.1	7.16	1,009.7	6.19	14.51	149.0
G106	2/14/2024	12:55	10.02	13.2	55.8	7.11	1,024.1	5.16	9.92	149.6
G106	2/14/2024	12:58	10.02	13.3	55.9	7.08	1,024.1	4.78	5.75	150.0

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G107	2/14/2024	13:18	10.52	13.6	56.5	7.30	812.2	6.30	23.13	144.7
G107	2/14/2024	13:21	10.52	13.7	56.7	7.28	811.8	6.05	19.06	145.1
G107	2/14/2024	13:24	10.52	13.8	56.8	7.26	809.6	5.83	17.44	145.4
G107	2/14/2024	13:27	10.52	13.9	57.0	7.25	809.2	5.63	15.73	145.6
G107	2/14/2024	13:30	10.52	13.8	56.8	7.24	808.8	5.47	14.00	145.7

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G108	2/14/2024	13:41	11.43	13.9	57.0	7.30	776.5	6.41	6.67	145.3
G108	2/14/2024	13:44	11.43	14.1	57.4	7.22	794.5	4.58	10.26	146.4
G108	2/14/2024	13:47	11.43	14.0	57.2	7.19	795.0	4.04	7.68	146.8

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G109	2/14/2024	13:59	11.90	13.8	56.8	7.24	971.2	6.52	9.96	150.3
G109	2/14/2024	14:02	11.90	14.0	57.2	7.02	1,002.5	3.03	7.44	152.7
G109	2/14/2024	14:05	11.90	14.1	57.4	6.96	1,003.4	2.01	8.96	153.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G110	2/14/2024	14:15	12.76	13.9	57.0	7.11	936.6	4.19	4.11	151.7
G110	2/14/2024	14:18	12.76	14.2	57.6	6.97	944.8	3.02	9.10	153.1
G110	2/14/2024	14:21	12.76	14.2	57.6	6.92	940.8	2.70	6.82	153.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G111	2/15/2024	8:57	14.03	13.2	55.8	6.16	896.8	6.82	3.80	190.0
G111	2/15/2024	9:00	14.03	13.4	56.1	6.41	921.3	4.10	2.05	183.6
G111	2/15/2024	9:03	14.03	13.4	56.1	6.56	910.2	3.34	1.72	178.1

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G119	2/15/2024	9:41	15.40	13.3	55.9	7.21	728.4	7.50	2.91	160.9
G119	2/15/2024	9:44	15.40	13.6	56.5	7.13	747.8	5.51	2.74	160.4
G119	2/15/2024	9:47	15.40	13.7	56.7	7.11	749.3	4.81	2.19	159.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G120	2/15/2024	9:58	15.84	13.2	55.8	7.17	912.5	8.38	5.47	160.5
G120	2/15/2024	10:01	15.84	13.6	56.5	7.10	923.6	6.96	4.33	160.7
G120	2/15/2024	10:04	15.84	13.6	56.5	7.09	925.1	6.57	4.11	160.2

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G121	2/15/2024	10:31	17.34	13.5	56.3	7.04	1,014.0	6.26	35.90	160.3
G121	2/15/2024	10:34	17.34	13.2	55.8	7.03	1,016.4	6.19	17.60	160.4
G121	2/15/2024	10:37	17.34	12.8	55.0	7.03	1,016.4	6.16	14.89	160.3
G121	2/15/2024	10:40	17.34	12.8	55.0	7.03	1,014.1	6.11	10.95	160.5

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G122	2/15/2024	10:59	17.96	13.4	56.1	6.93	1,238.8	5.89	21.75	164.0
G122	2/15/2024	11:02	17.96	13.3	55.9	6.87	1,223.5	5.74	15.69	164.6
G122	2/15/2024	11:05	17.96	13.4	56.1	6.85	1,218.1	5.63	10.73	164.8

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G123	2/15/2024	11:25	16.60	12.8	55.0	7.35	961.0	7.96	4.77	142.4
G123	2/15/2024	11:28	16.60	13.5	56.3	7.14	994.4	5.24	14.19	147.6
G123	2/15/2024	11:31	16.60	13.4	56.1	7.05	1,008.5	3.28	8.59	149.7

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G124	2/15/2024	11:47	17.42	13.6	56.5	7.29	915.8	7.87	15.54	148.4
G124	2/15/2024	11:50	17.42	13.6	56.5	7.19	916.9	6.08	7.01	150.3
G124	2/15/2024	11:53	17.42	13.4	56.1	7.16	915.8	5.35	3.83	150.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G125	2/15/2024	12:10	17.39	14.2	57.6	7.43	936.9	7.36	5.09	150.9
G125	2/15/2024	12:13	17.39	14.1	57.4	7.37	936.7	7.23	2.23	150.3
G125	2/15/2024	12:16	17.39	14.0	57.2	7.34	939.0	6.80	2.01	150.5
G125	2/15/2024	12:19	17.39	14.0	57.2	7.31	941.7	6.43	2.26	150.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G126	2/15/2024	13:16	10.55	12.9	55.2	7.37	909.6	7.07	2.75	150.7
G126	2/15/2024	13:19	10.55	13.2	55.8	7.24	896.1	4.52	1.62	151.2
G126	2/15/2024	13:22	10.55	13.2	55.8	7.19	874.3	3.69	1.46	151.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G151	2/19/2024	9:05	12.13	13.1	55.6	6.60	975.1	5.30	23.05	185.4
G151	2/19/2024	9:08	12.13	13.0	55.4	6.80	952.4	4.82	9.45	179.5
G151	2/19/2024	9:11	12.13	13.0	55.4	6.90	947.4	4.49	5.97	176.0

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G152	2/19/2024	11:00	11.14	11.0	51.8	7.11	908.1	5.00	54.05	148.9
G152	2/19/2024	11:03	11.14	10.9	51.6	7.11	896.5	4.56	41.78	148.8
G152	2/19/2024	11:06	11.14	10.9	51.6	7.10	889.3	4.17	33.80	148.8
G152	2/19/2024	11:09	11.14	11.0	51.8	7.10	882.0	3.80	28.58	148.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G153	2/19/2024	10:03	13.73	13.2	55.8	6.68	4,284.0	3.82	13.36	171.5
G153	2/19/2024	10:06	13.73	13.2	55.8	6.66	4,230.8	2.57	6.61	169.2
G153	2/19/2024	10:09	13.73	13.1	55.6	6.69	4,105.7	2.65	3.82	167.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G154	2/19/2024	9:39	13.36	13.3	55.9	7.24	690.6	2.92	18.81	148.8
G154	2/19/2024	9:42	13.36	13.3	55.9	7.23	689.6	2.63	13.73	148.9
G154	2/19/2024	9:45	13.36	13.4	56.1	7.23	690.1	2.44	13.18	148.7
G154	2/19/2024	9:48	13.36	13.4	56.1	7.23	689.8	2.29	9.35	148.5

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G155	2/16/2024	10:19	13.42	12.2	54.0	7.24	990.9	5.21	34.53	133.2
G155	2/16/2024	10:22	13.42	12.3	54.1	7.21	990.6	5.01	25.87	137.9
G155	2/16/2024	10:25	13.42	12.4	54.3	7.20	989.7	4.68	25.89	138.8
G155	2/16/2024	10:28	13.42	12.4	54.3	7.19	989.6	4.37	22.74	139.6
G155	2/16/2024	10:31	13.42	12.3	54.1	7.18	989.6	4.15	19.00	140.1
G155	2/16/2024	10:34	13.42	12.3	54.1	7.17	988.6	3.92	18.15	140.4
G155	2/16/2024	10:37	13.42	12.3	54.1	7.17	987.2	3.75	17.60	140.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200	2/21/2024	8:51	5.62	10.8	51.4	5.88	873.9	8.11	239.67	177.3
G200	2/21/2024	8:54	5.62	11.3	52.3	6.33	872.9	4.83	67.64	176.5
G200	2/21/2024	8:57	5.62	11.5	52.7	6.51	866.6	3.60	31.43	175.1
G200	2/21/2024	9:00	5.62	11.6	52.9	6.62	862.6	2.87	15.60	173.0
G200	2/21/2024	9:03	5.62	11.8	53.2	6.69	861.9	2.45	10.96	170.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206	2/13/2024	11:38	11.50	14.5	58.1	7.21	866.9	2.50	9.67	95.9
G206	2/13/2024	11:41	11.50	14.2	57.6	7.19	869.3	1.78	6.24	96.1
G206	2/13/2024	11:44	11.50	14.3	57.7	7.17	875.0	1.48	4.45	95.5

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206D	2/13/2024	11:23	29.30	14.2	57.6	7.30	1,052.9	4.19	11.04	128.3
G206D	2/13/2024	11:26	29.30	13.9	57.0	7.20	1,051.7	2.54	11.65	122.9
G206D	2/13/2024	11:29	29.30	13.9	57.0	7.21	1,046.9	1.96	23.62	109.4
G206D	2/16/2024	9:25	29.30	10.2	50.4	6.09	1,076.2	5.32	15.03	187.7
G206D	2/16/2024	9:28	29.30	11.5	52.7	6.41	1,038.6	3.67	5.72	181.2
G206D	2/16/2024	9:31	29.30	11.7	53.1	6.63	1,038.4	2.53	6.33	172.8

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G207	2/15/2024	11:43	11.50	13.0	55.4	7.25	616.6	3.56	3.58	124.9
G207	2/15/2024	11:46	11.50	13.2	55.8	7.23	619.3	3.38	4.03	125.2
G207	2/15/2024	11:49	11.50	13.3	55.9	7.21	614.2	3.04	3.20	125.1
G207	2/15/2024	11:52	11.50	13.4	56.1	7.19	614.2	3.02	3.14	125.0
G207	2/15/2024	11:55	11.50	13.6	56.5	7.18	612.2	2.81	1.87	124.5
G207	2/15/2024	11:43	11.50	13.0	55.4	7.25	616.6	3.56	3.58	124.9
G207	2/15/2024	11:46	11.50	13.2	55.8	7.23	619.3	3.38	4.03	125.2
G207	2/15/2024	11:49	11.50	13.3	55.9	7.21	614.2	3.04	3.20	125.1
G207	2/15/2024	11:52	11.50	13.4	56.1	7.19	614.2	3.02	3.14	125.0
G207	2/15/2024	11:55	11.50	13.6	56.5	7.18	612.2	2.81	1.87	124.5

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G208	2/13/2024	10:51	10.80	14.1	57.4	7.45	584.3	6.01	8.12	126.0
G208	2/13/2024	10:54	10.80	14.0	57.2	7.36	584.8	5.36	6.07	127.9
G208	2/13/2024	10:57	10.80	14.0	57.2	7.31	584.1	5.07	3.95	128.9
G208	2/13/2024	11:00	10.80	14.0	57.2	7.29	582.7	4.91	2.77	129.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G209	2/13/2024	10:21	10.59	13.4	56.1	6.88	1,278.5	2.57	17.89	140.2
G209	2/13/2024	10:24	10.59	13.5	56.3	6.85	1,277.9	2.13	13.12	140.1
G209	2/13/2024	10:27	10.59	13.6	56.5	6.84	1,277.3	1.85	10.95	139.7
G209	2/13/2024	10:30	10.59	13.6	56.5	6.83	1,277.6	1.65	6.89	139.2

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G210	2/13/2024	9:36	11.71	13.4	56.1	7.20	939.1	5.18	23.80	129.6
G210	2/13/2024	9:39	11.71	13.7	56.7	7.15	940.1	4.32	17.23	135.0
G210	2/13/2024	9:42	11.71	13.6	56.5	7.13	940.0	3.95	15.16	137.1
G210	2/13/2024	9:45	11.71	13.7	56.7	7.12	940.2	3.74	10.79	138.1
G210	2/13/2024	9:48	11.71	13.7	56.7	7.12	941.5	3.57	11.31	138.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G211	2/14/2024	10:37	12.50	14.3	57.7	7.20	842.8	4.35	18.79	151.8
G211	2/14/2024	10:40	12.50	14.4	57.9	7.18	841.8	3.85	14.94	151.1
G211	2/14/2024	10:43	12.50	14.5	58.1	7.17	840.7	3.59	15.29	150.4
G211	2/14/2024	10:46	12.50	14.5	58.1	7.17	841.2	3.41	14.18	149.7

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G212	2/14/2024	10:11	12.95	13.7	56.7	7.18	730.7	6.57	6.12	152.1
G212	2/14/2024	10:14	12.95	13.8	56.8	7.13	733.8	5.37	4.34	152.1
G212	2/14/2024	10:17	12.95	13.9	57.0	7.09	736.4	4.26	3.41	152.2

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G213	2/14/2024	9:46	13.23	13.7	56.7	6.96	722.7	5.18	24.40	157.7
G213	2/14/2024	9:49	13.23	13.6	56.5	6.97	722.6	5.15	19.05	157.3
G213	2/14/2024	9:52	13.23	13.6	56.5	6.97	722.8	5.01	14.63	157.1
G213	2/14/2024	9:55	13.23	13.7	56.7	6.98	722.7	4.92	11.77	156.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G214	2/13/2024	14:31	16.06	14.4	57.9	7.12	1,028.2	3.05	14.14	114.0
G214	2/13/2024	14:34	16.06	14.5	58.1	7.11	1,014.6	2.95	9.82	114.4
G214	2/13/2024	14:37	16.06	14.5	58.1	7.09	1,011.7	2.71	7.95	114.8

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G215	2/13/2024	14:00	15.60	14.1	57.4	6.86	2,014.8	1.92	16.53	122.0
G215	2/13/2024	14:03	15.60	14.1	57.4	6.86	2,015.6	1.72	15.32	122.0
G215	2/13/2024	14:06	15.60	14.0	57.2	6.85	2,016.7	1.58	11.83	121.8
G215	2/13/2024	14:09	15.60	14.1	57.4	6.85	2,016.1	1.51	11.96	121.6
G215	2/13/2024	14:12	15.60	14.1	57.4	6.85	2,017.8	1.61	10.14	121.5

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G216	2/13/2024	13:24	14.88	14.5	58.1	6.83	2,205.5	1.17	26.09	110.4
G216	2/13/2024	13:27	14.88	14.5	58.1	6.83	2,204.7	1.16	24.03	109.1
G216	2/13/2024	13:30	14.88	14.5	58.1	6.83	2,206.0	1.15	18.90	107.7
G216	2/13/2024	13:33	14.88	14.6	58.3	6.83	2,206.3	1.14	15.82	106.5
G216	2/13/2024	13:36	14.88	14.6	58.3	6.83	2,205.1	1.12	12.31	105.1
G216	2/13/2024	13:39	14.88	14.6	58.3	6.83	2,206.5	1.10	11.15	103.7

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217	2/13/2024	12:28	16.17	14.2	57.6	6.97	1,591.7	3.55	17.31	129.0
G217	2/13/2024	12:31	16.17	14.2	57.6	6.91	1,591.9	2.66	13.17	129.5
G217	2/13/2024	12:34	16.17	14.2	57.6	6.88	1,591.5	2.15	11.43	129.4
G217	2/13/2024	12:37	16.17	14.3	57.7	6.86	1,591.7	1.80	12.26	129.3
G217	2/13/2024	12:40	16.17	14.2	57.6	6.85	1,593.3	1.56	11.23	128.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G218	2/13/2024	12:05	15.07	14.0	57.2	6.94	1,547.5	3.22	19.12	125.0
G218	2/13/2024	12:08	15.07	14.1	57.4	6.88	1,549.8	2.13	19.63	125.4
G218	2/13/2024	12:11	15.07	14.2	57.6	6.86	1,564.1	1.69	20.20	125.2

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G270	2/19/2024	11:47	2.86	10.6	51.1	7.18	733.5	3.24	31.50	146.1
G270	2/19/2024	11:50	2.86	10.6	51.1	7.16	733.3	3.12	27.13	146.4
G270	2/19/2024	11:53	2.86	10.6	51.1	7.15	732.9	3.02	24.62	146.8
G270	2/19/2024	11:56	2.86	10.6	51.1	7.15	733.0	2.98	23.96	147.0

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G271	2/19/2024	12:14	11.05	13.0	55.4	7.36	1,144.6	8.42	9.69	147.6
G271	2/19/2024	12:17	11.05	13.0	55.4	7.31	1,063.3	6.54	10.55	148.5
G271	2/19/2024	12:20	11.05	13.2	55.8	7.28	1,030.5	6.01	7.82	148.8

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G272	2/19/2024	12:42	10.25	13.0	55.4	7.32	1,301.3	6.37	30.40	150.3
G272	2/19/2024	12:45	10.25	13.0	55.4	7.30	1,290.1	6.18	17.15	150.8
G272	2/19/2024	12:48	10.25	13.0	55.4	7.28	1,293.0	5.89	10.94	151.3
G272	2/19/2024	12:51	10.25	13.0	55.4	7.25	1,297.0	5.58	8.34	151.8

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G273	2/19/2024	13:12	10.95	13.5	56.3	7.06	1,661.5	2.83	27.92	147.7
G273	2/19/2024	13:15	10.95	13.5	56.3	7.01	1,675.5	2.11	14.56	149.8
G273	2/19/2024	13:18	10.95	13.6	56.5	6.99	1,680.5	1.76	9.78	151.0

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G274	2/19/2024	13:39	14.33	14.0	57.2	7.33	1,029.7	4.96	9.11	136.0
G274	2/19/2024	13:42	14.33	13.9	57.0	7.22	984.7	3.80	3.96	140.1
G274	2/19/2024	13:45	14.33	13.8	56.8	7.13	1,043.2	2.98	2.04	143.2

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275	2/19/2024	14:15	13.35	12.4	54.3	7.04	1,411.8	4.53	14.32	128.9
G275	2/19/2024	14:18	13.35	12.7	54.9	6.98	1,410.2	4.21	10.20	132.1
G275	2/19/2024	14:21	13.35	12.9	55.2	6.95	1,407.7	4.06	5.69	134.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275D	2/19/2024	13:59	38.99	14.2	57.6	7.20	1,492.6	4.04	8.13	130.3
G275D	2/19/2024	14:02	38.99	13.6	56.5	7.18	1,502.1	2.50	9.19	129.6
G275D	2/19/2024	14:05	38.99	13.8	56.8	7.19	1,501.8	1.91	13.32	129.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G276	2/20/2024	9:09	27.70	13.1	55.6	6.16	1,384.6	7.47	21.75	177.8
G276	2/20/2024	9:12	27.70	12.8	55.0	6.45	1,346.2	6.37	57.17	178.7
G276	2/20/2024	9:15	27.70	12.2	54.0	6.57	1,342.8	5.54	34.08	176.7
G276	2/20/2024	9:18	27.70	12.0	53.6	6.66	1,345.8	6.31	17.62	174.7
G276	2/20/2024	9:21	27.70	12.2	54.0	6.68	1,348.3	5.92	16.95	173.7

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G277	2/20/2024	9:34	20.26	12.3	54.1	6.83	1,984.9	7.62	16.18	169.1
G277	2/20/2024	9:37	20.26	12.3	54.1	6.69	1,931.0	5.53	17.43	172.1
G277	2/20/2024	9:40	20.26	12.4	54.3	6.65	1,910.1	4.41	11.76	172.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G278	2/15/2024	10:54	25.14	12.7	54.9	6.63	3,561.9	2.27	20.28	149.1
G278	2/15/2024	10:57	25.14	12.8	55.0	6.64	3,555.7	1.88	25.94	147.9
G278	2/15/2024	11:00	25.14	12.9	55.2	6.65	3,524.0	1.65	20.88	146.7
G278	2/15/2024	11:03	25.14	12.8	55.0	6.65	3,507.0	1.48	7.42	145.9
G278	2/15/2024	10:54	25.14	12.7	54.9	6.63	3,561.9	2.27	20.28	149.1
G278	2/15/2024	10:57	25.14	12.8	55.0	6.64	3,555.7	1.88	25.94	147.9
G278	2/15/2024	11:00	25.14	12.9	55.2	6.65	3,524.0	1.65	20.88	146.7
G278	2/15/2024	11:03	25.14	12.8	55.0	6.65	3,507.0	1.48	7.42	145.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G279	2/20/2024	10:19	24.63	12.8	55.0	7.05	7,213.0	8.64	2.84	174.7
G279	2/20/2024	10:22	24.63	13.9	57.0	6.85	6,595.6	5.20	3.94	174.0
G279	2/20/2024	10:25	24.63	14.3	57.7	6.75	5,991.5	3.65	4.72	173.7

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G280	2/20/2024	11:01	6.40	12.2	54.0	7.44	888.4	4.15	30.29	131.9
G280	2/20/2024	11:04	6.40	12.1	53.8	7.40	885.0	3.87	31.84	133.7
G280	2/20/2024	11:07	6.40	12.1	53.8	7.38	883.3	3.66	27.48	134.9
G280	2/20/2024	11:10	6.40	12.2	54.0	7.36	883.1	3.51	26.73	135.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G281	2/15/2024	14:16	5.91	12.7	54.9	6.93	1,367.9	2.68	33.43	154.8
G281	2/15/2024	14:19	5.91	12.8	55.0	6.92	1,367.9	2.59	30.45	155.2
G281	2/15/2024	14:22	5.91	12.8	55.0	6.92	1,368.1	2.53	31.10	155.5

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G283	2/21/2024	9:47	5.30	10.9	51.6	6.85	1,273.2	1.65	63.54	160.2
G283	2/21/2024	9:50	5.30	10.9	51.6	6.85	1,271.7	1.48	56.58	159.6
G283	2/21/2024	9:53	5.30	10.9	51.6	6.85	1,270.4	1.36	50.53	159.0
G283	2/21/2024	9:56	5.30	11.0	51.8	6.86	1,268.5	1.27	46.20	158.4
G283	2/21/2024	9:59	5.30	10.9	51.6	6.86	1,265.3	1.17	37.64	157.9
G283	2/21/2024	10:02	5.30	10.9	51.6	6.87	1,272.0	1.12	32.91	157.3
G283	2/21/2024	10:05	5.30	10.9	51.6	6.87	1,273.4	1.08	26.23	156.9
G283	2/21/2024	10:08	5.30	11.0	51.8	6.87	1,272.2	1.04	24.05	156.5
G283	2/21/2024	10:11	5.30	11.1	52.0	6.88	1,271.7	1.01	22.65	156.0

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G284	2/20/2024	14:20	11.77	11.7	53.1	7.15	646.1	3.03	5.28	128.4
G284	2/20/2024	14:23	11.77	11.7	53.1	7.14	650.2	2.73	3.76	128.4
G284	2/20/2024	14:26	11.77	11.7	53.1	7.13	653.4	2.51	2.87	128.4
G284	2/20/2024	14:20	11.77	11.7	53.1	7.15	646.1	3.03	5.28	128.4
G284	2/20/2024	14:23	11.77	11.7	53.1	7.14	650.2	2.73	3.76	128.4
G284	2/20/2024	14:26	11.77	11.7	53.1	7.13	653.4	2.51	2.87	128.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G285	2/20/2024	13:12	6.65	12.3	54.1	6.73	1,556.4	0.64	32.03	128.1
G285	2/20/2024	13:15	6.65	12.3	54.1	6.74	1,556.7	0.58	13.54	127.5
G285	2/20/2024	13:18	6.65	12.4	54.3	6.74	1,558.9	0.53	12.10	126.9
G285	2/20/2024	13:12	6.65	12.3	54.1	6.73	1,556.4	0.64	32.03	128.1
G285	2/20/2024	13:15	6.65	12.3	54.1	6.74	1,556.7	0.58	13.54	127.5
G285	2/20/2024	13:18	6.65	12.4	54.3	6.74	1,558.9	0.53	12.10	126.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301	2/19/2024	11:54	6.95	12.2	54.0	6.64	999.7	0.82	41.03	109.6
G301	2/19/2024	11:57	6.95	12.2	54.0	6.61	997.2	0.76	36.47	109.8
G301	2/19/2024	12:00	6.95	12.2	54.0	6.60	993.5	0.74	27.25	109.9
G301	2/19/2024	12:03	6.95	12.2	54.0	6.59	991.1	0.72	22.24	109.9
G301	2/19/2024	11:54	6.95	12.2	54.0	6.64	999.7	0.82	41.03	109.6
G301	2/19/2024	11:57	6.95	12.2	54.0	6.61	997.2	0.76	36.47	109.8
G301	2/19/2024	12:00	6.95	12.2	54.0	6.60	993.5	0.74	27.25	109.9
G301	2/19/2024	12:03	6.95	12.2	54.0	6.59	991.1	0.72	22.24	109.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G302	2/19/2024	13:15	9.55	12.4	54.3	6.70	1,381.0	1.87	230.63	6.0
G302	2/19/2024	13:18	9.55	12.4	54.3	6.68	1,368.2	1.78	146.43	11.8
G302	2/19/2024	13:21	9.55	12.4	54.3	6.67	1,364.8	1.67	96.96	17.2
G302	2/19/2024	13:24	9.55	12.5	54.5	6.67	1,367.7	1.71	76.08	21.6
G302	2/19/2024	13:27	9.55	12.5	54.5	6.66	1,371.4	1.64	69.26	25.0
G302	2/19/2024	13:15	9.55	12.4	54.3	6.70	1,381.0	1.87	230.63	6.0
G302	2/19/2024	13:18	9.55	12.4	54.3	6.68	1,368.2	1.78	146.43	11.8
G302	2/19/2024	13:21	9.55	12.4	54.3	6.67	1,364.8	1.67	96.96	17.2
G302	2/19/2024	13:24	9.55	12.5	54.5	6.67	1,367.7	1.71	76.08	21.6
G302	2/19/2024	13:27	9.55	12.5	54.5	6.66	1,371.4	1.64	69.26	25.0

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G303	2/14/2024	10:14	5.72	11.7	53.1	6.69	1,767.5	1.97	15.54	117.3
G303	2/14/2024	10:17	5.72	11.7	53.1	6.69	1,759.7	1.75	22.35	117.0
G303	2/14/2024	10:20	5.72	11.7	53.1	6.69	1,759.0	1.55	24.71	116.8
G303	2/14/2024	10:23	5.72	11.7	53.1	6.69	1,751.6	1.38	30.79	116.5
G303	2/14/2024	10:14	5.72	11.7	53.1	6.69	1,767.5	1.97	15.54	117.3
G303	2/14/2024	10:17	5.72	11.7	53.1	6.69	1,759.7	1.75	22.35	117.0
G303	2/14/2024	10:20	5.72	11.7	53.1	6.69	1,759.0	1.55	24.71	116.8
G303	2/14/2024	10:23	5.72	11.7	53.1	6.69	1,751.6	1.38	30.79	116.5

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G305	2/19/2024	14:47	6.66	13.1	55.6	7.20	1,438.6	1.17	38.86	97.9
G305	2/19/2024	14:50	6.66	13.1	55.6	7.18	1,437.6	0.84	26.42	97.0
G305	2/19/2024	14:53	6.66	13.2	55.8	7.17	1,439.3	0.71	20.30	96.3
G305	2/19/2024	14:56	6.66	13.1	55.6	7.16	1,443.0	0.64	23.73	95.6
G305	2/19/2024	14:47	6.66	13.1	55.6	7.20	1,438.6	1.17	38.86	97.9
G305	2/19/2024	14:50	6.66	13.1	55.6	7.18	1,437.6	0.84	26.42	97.0
G305	2/19/2024	14:53	6.66	13.2	55.8	7.17	1,439.3	0.71	20.30	96.3
G305	2/19/2024	14:56	6.66	13.1	55.6	7.16	1,443.0	0.64	23.73	95.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G306	2/14/2024	11:11	6.78	12.5	54.5	6.66	690.4	5.39	34.66	129.9
G306	2/14/2024	11:14	6.78	12.6	54.7	6.62	694.8	5.01	25.39	131.2
G306	2/14/2024	11:17	6.78	12.6	54.7	6.59	698.4	4.60	20.88	132.2
G306	2/14/2024	11:20	6.78	12.8	55.0	6.54	697.7	4.12	20.39	133.2
G306	2/14/2024	11:23	6.78	12.7	54.9	6.49	692.9	3.66	20.80	134.2
G306	2/14/2024	11:26	6.78	12.8	55.0	6.44	683.4	3.24	22.68	135.2
G306	2/14/2024	11:29	6.78	12.8	55.0	6.40	676.3	2.91	26.57	136.0
G306	2/14/2024	11:32	6.78	12.8	55.0	6.37	670.6	2.65	27.82	136.6
G306	2/14/2024	11:35	6.78	12.9	55.2	6.34	663.0	2.42	30.08	137.2
G306	2/14/2024	11:11	6.78	12.5	54.5	6.66	690.4	5.39	34.66	129.9
G306	2/14/2024	11:14	6.78	12.6	54.7	6.62	694.8	5.01	25.39	131.2
G306	2/14/2024	11:17	6.78	12.6	54.7	6.59	698.4	4.60	20.88	132.2
G306	2/14/2024	11:20	6.78	12.8	55.0	6.54	697.7	4.12	20.39	133.2
G306	2/14/2024	11:23	6.78	12.7	54.9	6.49	692.9	3.66	20.80	134.2
G306	2/14/2024	11:26	6.78	12.8	55.0	6.44	683.4	3.24	22.68	135.2
G306	2/14/2024	11:29	6.78	12.8	55.0	6.40	676.3	2.91	26.57	136.0
G306	2/14/2024	11:32	6.78	12.8	55.0	6.37	670.6	2.65	27.82	136.6
G306	2/14/2024	11:35	6.78	12.9	55.2	6.34	663.0	2.42	30.08	137.2

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307	2/14/2024	14:46	0.05	14.7	58.5	6.93	1,046.9	1.28	339.87	99.3
G307	2/14/2024	14:49	0.05	14.8	58.6	6.93	1,048.2	1.23	335.02	99.2
G307	2/14/2024	14:52	0.05	14.8	58.6	6.93	1,047.0	1.17	303.02	99.0
G307	2/14/2024	14:55	0.05	14.8	58.6	6.93	1,046.9	1.12	280.82	98.8
G307	2/14/2024	14:58	0.05	14.8	58.6	6.93	1,046.5	1.09	256.42	98.6
G307	2/14/2024	14:46	0.05	14.7	58.5	6.93	1,046.9	1.28	339.87	99.3
G307	2/14/2024	14:49	0.05	14.8	58.6	6.93	1,048.2	1.23	335.02	99.2
G307	2/14/2024	14:52	0.05	14.8	58.6	6.93	1,047.0	1.17	303.02	99.0
G307	2/14/2024	14:55	0.05	14.8	58.6	6.93	1,046.9	1.12	280.82	98.8
G307	2/14/2024	14:58	0.05	14.8	58.6	6.93	1,046.5	1.09	256.42	98.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307D	2/14/2024	13:21	5.04	13.9	57.0	7.09	1,238.1	0.73	41.40	5.1
G307D	2/14/2024	13:24	5.04	14.0	57.2	7.08	1,239.0	0.63	31.68	-2.1
G307D	2/14/2024	13:27	5.04	14.0	57.2	7.09	1,225.6	1.11	32.67	-1.0
G307D	2/14/2024	13:30	5.04	14.1	57.4	7.08	1,214.3	1.77	35.03	8.2
G307D	2/14/2024	13:33	5.04	14.2	57.6	7.08	1,209.1	2.17	22.07	17.0
G307D	2/14/2024	13:36	5.04	14.3	57.7	7.07	1,207.5	2.35	19.15	23.1
G307D	2/14/2024	13:39	5.04	14.2	57.6	7.07	1,212.3	2.44	17.09	27.4
G307D	2/14/2024	13:42	5.04	14.1	57.4	7.07	1,207.3	2.50	16.04	30.5
G307D	2/14/2024	13:21	5.04	13.9	57.0	7.09	1,238.1	0.73	41.40	5.1
G307D	2/14/2024	13:24	5.04	14.0	57.2	7.08	1,239.0	0.63	31.68	-2.1
G307D	2/14/2024	13:27	5.04	14.0	57.2	7.09	1,225.6	1.11	32.67	-1.0
G307D	2/14/2024	13:30	5.04	14.1	57.4	7.08	1,214.3	1.77	35.03	8.2
G307D	2/14/2024	13:33	5.04	14.2	57.6	7.08	1,209.1	2.17	22.07	17.0
G307D	2/14/2024	13:36	5.04	14.3	57.7	7.07	1,207.5	2.35	19.15	23.1
G307D	2/14/2024	13:39	5.04	14.2	57.6	7.07	1,212.3	2.44	17.09	27.4
G307D	2/14/2024	13:42	5.04	14.1	57.4	7.07	1,207.3	2.50	16.04	30.5

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G308	2/16/2024	9:55	4.79	11.1	52.0	7.08	1,525.5	0.87	12.05	120.1
G308	2/16/2024	9:58	4.79	11.1	52.0	7.08	1,532.2	0.70	10.49	119.9
G308	2/16/2024	10:01	4.79	11.2	52.2	7.08	1,533.8	0.62	8.39	119.6
G308	2/16/2024	10:04	4.79	11.3	52.3	7.08	1,533.1	0.56	6.78	119.4
G308	2/16/2024	9:55	4.79	11.1	52.0	7.08	1,525.5	0.87	12.05	120.1
G308	2/16/2024	9:58	4.79	11.1	52.0	7.08	1,532.2	0.70	10.49	119.9
G308	2/16/2024	10:01	4.79	11.2	52.2	7.08	1,533.8	0.62	8.39	119.6
G308	2/16/2024	10:04	4.79	11.3	52.3	7.08	1,533.1	0.56	6.78	119.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G310	2/19/2024	11:15	8.78	12.6	54.7	7.09	1,136.7	0.66	4.13	93.4
G310	2/19/2024	11:18	8.78	12.6	54.7	7.08	1,137.9	0.60	3.29	93.4
G310	2/19/2024	11:21	8.78	12.6	54.7	7.07	1,139.8	0.55	2.44	93.4
G310	2/19/2024	11:24	8.78	12.7	54.9	7.07	1,141.7	0.52	2.32	93.4
G310	2/19/2024	11:15	8.78	12.6	54.7	7.09	1,136.7	0.66	4.13	93.4
G310	2/19/2024	11:18	8.78	12.6	54.7	7.08	1,137.9	0.60	3.29	93.4
G310	2/19/2024	11:21	8.78	12.6	54.7	7.07	1,139.8	0.55	2.44	93.4
G310	2/19/2024	11:24	8.78	12.7	54.9	7.07	1,141.7	0.52	2.32	93.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G312	2/19/2024	14:02	11.95	12.5	54.5	6.38	1,193.1	1.47	3.56	78.9
G312	2/19/2024	14:05	11.95	12.6	54.7	6.35	1,269.5	1.27	2.78	80.3
G312	2/19/2024	14:08	11.95	12.6	54.7	6.33	1,361.5	1.20	3.07	82.3
G312	2/19/2024	14:11	11.95	12.6	54.7	6.33	1,454.0	1.15	3.37	83.9
G312	2/19/2024	14:02	11.95	12.5	54.5	6.38	1,193.1	1.47	3.56	78.9
G312	2/19/2024	14:05	11.95	12.6	54.7	6.35	1,269.5	1.27	2.78	80.3
G312	2/19/2024	14:08	11.95	12.6	54.7	6.33	1,361.5	1.20	3.07	82.3
G312	2/19/2024	14:11	11.95	12.6	54.7	6.33	1,454.0	1.15	3.37	83.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G313	2/13/2024	14:10	3.71	12.3	54.1	6.78	1,621.3	0.39	23.16	94.0
G313	2/13/2024	14:13	3.71	12.3	54.1	6.78	1,624.5	0.37	26.06	93.0
G313	2/13/2024	14:16	3.71	12.2	54.0	6.78	1,625.1	0.36	31.60	92.1
G313	2/13/2024	14:19	3.71	12.2	54.0	6.78	1,625.5	0.34	33.28	91.4
G313	2/13/2024	14:10	3.71	12.3	54.1	6.78	1,621.3	0.39	23.16	94.0
G313	2/13/2024	14:13	3.71	12.3	54.1	6.78	1,624.5	0.37	26.06	93.0
G313	2/13/2024	14:16	3.71	12.2	54.0	6.78	1,625.1	0.36	31.60	92.1
G313	2/13/2024	14:19	3.71	12.2	54.0	6.78	1,625.5	0.34	33.28	91.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314	2/13/2024	13:02	6.70	11.9	53.4	6.56	2,981.7	0.69	49.58	12.6
G314	2/13/2024	13:05	6.70	11.8	53.2	6.56	2,974.7	0.60	103.37	8.2
G314	2/13/2024	13:08	6.70	11.8	53.2	6.56	2,974.7	0.56	69.19	5.9
G314	2/13/2024	13:11	6.70	11.8	53.2	6.56	2,975.1	0.54	116.64	4.9
G314	2/13/2024	13:02	6.70	11.9	53.4	6.56	2,981.7	0.69	49.58	12.6
G314	2/13/2024	13:05	6.70	11.8	53.2	6.56	2,974.7	0.60	103.37	8.2
G314	2/13/2024	13:08	6.70	11.8	53.2	6.56	2,974.7	0.56	69.19	5.9
G314	2/13/2024	13:11	6.70	11.8	53.2	6.56	2,975.1	0.54	116.64	4.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314D	2/13/2024	12:08	6.15	12.2	54.0	6.82	2,460.9	0.61	61.66	25.2
G314D	2/13/2024	12:11	6.15	12.4	54.3	6.81	2,484.4	0.51	61.63	7.9
G314D	2/13/2024	12:14	6.15	12.5	54.5	6.81	2,510.3	0.46	32.06	-3.1
G314D	2/13/2024	12:17	6.15	12.4	54.3	6.80	2,518.9	0.43	84.05	-10.3
G314D	2/13/2024	12:20	6.15	12.5	54.5	6.80	2,524.5	0.40	115.06	-15.6
G314D	2/13/2024	12:08	6.15	12.2	54.0	6.82	2,460.9	0.61	61.66	25.2
G314D	2/13/2024	12:11	6.15	12.4	54.3	6.81	2,484.4	0.51	61.63	7.9
G314D	2/13/2024	12:14	6.15	12.5	54.5	6.81	2,510.3	0.46	32.06	-3.1
G314D	2/13/2024	12:17	6.15	12.4	54.3	6.80	2,518.9	0.43	84.05	-10.3
G314D	2/13/2024	12:20	6.15	12.5	54.5	6.80	2,524.5	0.40	115.06	-15.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G315	2/14/2024	12:36	2.40	11.7	53.1	6.71	1,162.1	0.85	6.55	154.4
G315	2/14/2024	12:39	2.40	11.8	53.2	6.70	1,160.3	0.73	5.16	154.0
G315	2/14/2024	12:42	2.40	11.8	53.2	6.69	1,160.0	0.66	3.73	153.6
G315	2/14/2024	12:45	2.40	11.8	53.2	6.69	1,161.3	0.62	3.06	153.2
G315	2/14/2024	12:36	2.40	11.7	53.1	6.71	1,162.1	0.85	6.55	154.4
G315	2/14/2024	12:39	2.40	11.8	53.2	6.70	1,160.3	0.73	5.16	154.0
G315	2/14/2024	12:42	2.40	11.8	53.2	6.69	1,160.0	0.66	3.73	153.6
G315	2/14/2024	12:45	2.40	11.8	53.2	6.69	1,161.3	0.62	3.06	153.2

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G316	2/13/2024	11:22	11.91	10.8	51.4	6.86	1,716.8	1.06	2.93	-51.1
G316	2/13/2024	11:25	11.91	10.8	51.4	6.87	1,727.6	0.88	1.81	-58.3
G316	2/13/2024	11:28	11.91	10.9	51.6	6.87	1,734.0	0.78	1.23	-63.8
G316	2/13/2024	11:31	11.91	10.9	51.6	6.87	1,742.0	0.68	1.21	-68.4
G316	2/13/2024	11:22	11.91	10.8	51.4	6.86	1,716.8	1.06	2.93	-51.1
G316	2/13/2024	11:25	11.91	10.8	51.4	6.87	1,727.6	0.88	1.81	-58.3
G316	2/13/2024	11:28	11.91	10.9	51.6	6.87	1,734.0	0.78	1.23	-63.8
G316	2/13/2024	11:31	11.91	10.9	51.6	6.87	1,742.0	0.68	1.21	-68.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G401	2/21/2024	12:37	21.96	16.0	60.8	5.45	2,975.6	2.95	119.74	194.6
G401	2/21/2024	12:40	21.96	15.9	60.6	5.59	2,987.4	2.01	63.36	186.4
G401	2/21/2024	12:43	21.96	15.9	60.6	5.65	2,987.4	1.62	23.61	181.2
G401	2/21/2024	12:46	21.96	15.8	60.4	5.68	2,985.8	1.38	9.98	177.0

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G402	2/21/2024	13:35	9.81	14.0	57.2	6.68	1,713.5	3.28	35.88	145.6
G402	2/21/2024	13:38	9.81	13.9	57.0	6.71	1,712.5	3.34	30.30	146.4
G402	2/21/2024	13:41	9.81	13.9	57.0	6.73	1,710.7	3.64	28.79	146.8
G402	2/21/2024	13:44	9.81	13.9	57.0	6.75	1,711.6	4.12	29.32	147.0

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G403	2/21/2024	11:37	6.41	13.3	55.9	6.92	739.2	3.02	21.68	144.2
G403	2/21/2024	11:40	6.41	13.3	55.9	6.89	738.2	2.74	11.56	145.5
G403	2/21/2024	11:43	6.41	13.3	55.9	6.88	738.3	2.57	7.53	146.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G404	2/21/2024	10:31	4.30	11.5	52.7	6.84	1,840.3	3.87	17.06	153.1
G404	2/21/2024	10:34	4.30	11.4	52.5	6.82	1,443.7	3.11	9.21	151.9
G404	2/21/2024	10:37	4.30	11.2	52.2	6.84	1,262.6	3.13	5.14	151.4

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G405	2/21/2024	10:57	6.30	12.1	53.8	7.12	1,862.6	5.57	25.43	145.6
G405	2/21/2024	11:00	6.30	12.4	54.3	6.97	1,845.0	4.31	24.64	149.2
G405	2/21/2024	11:03	6.30	12.4	54.3	6.90	1,950.9	3.61	13.09	151.4
G405	2/21/2024	11:06	6.30	12.6	54.7	6.87	1,996.4	3.12	10.95	152.3
G405	2/21/2024	11:09	6.30	12.5	54.5	6.85	2,026.2	2.81	8.87	152.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G406	2/21/2024	12:05	12.13	15.3	59.5	6.70	1,407.9	4.69	2.48	154.0
G406	2/21/2024	12:08	12.13	15.3	59.5	6.60	1,420.4	3.35	1.20	157.0
G406	2/21/2024	12:11	12.13	15.2	59.4	6.58	1,417.7	2.87	0.71	158.2

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G407	2/20/2024	10:06	6.10	12.9	55.2	6.80	1,854.8	3.89	6.35	140.4
G407	2/20/2024	10:09	6.10	13.0	55.4	6.79	1,855.6	3.75	6.41	140.6
G407	2/20/2024	10:12	6.10	13.0	55.4	6.79	1,851.5	3.63	6.77	140.9
G407	2/20/2024	10:15	6.10	13.0	55.4	6.78	1,849.5	3.48	6.85	141.3
G407	2/20/2024	10:06	6.10	12.9	55.2	6.80	1,854.8	3.89	6.35	140.4
G407	2/20/2024	10:09	6.10	13.0	55.4	6.79	1,855.6	3.75	6.41	140.6
G407	2/20/2024	10:12	6.10	13.0	55.4	6.79	1,851.5	3.63	6.77	140.9
G407	2/20/2024	10:15	6.10	13.0	55.4	6.78	1,849.5	3.48	6.85	141.3

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G410	2/20/2024	11:06	8.75	11.8	53.2	6.50	939.2	3.64	7.26	134.0
G410	2/20/2024	11:09	8.75	11.9	53.4	6.48	944.7	3.23	4.71	129.6
G410	2/20/2024	11:12	8.75	11.9	53.4	6.47	951.2	2.86	3.09	125.6
G410	2/20/2024	11:15	8.75	11.9	53.4	6.46	957.1	2.19	1.72	121.9
G410	2/20/2024	11:18	8.75	12.0	53.6	6.46	957.3	1.79	1.46	118.6
G410	2/20/2024	11:06	8.75	11.8	53.2	6.50	939.2	3.64	7.26	134.0
G410	2/20/2024	11:09	8.75	11.9	53.4	6.48	944.7	3.23	4.71	129.6
G410	2/20/2024	11:12	8.75	11.9	53.4	6.47	951.2	2.86	3.09	125.6
G410	2/20/2024	11:15	8.75	11.9	53.4	6.46	957.1	2.19	1.72	121.9
G410	2/20/2024	11:18	8.75	12.0	53.6	6.46	957.3	1.79	1.46	118.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G411	2/20/2024	12:04	7.54	12.4	54.3	7.26	737.7	2.92	5.08	118.7
G411	2/20/2024	12:07	7.54	12.5	54.5	7.25	737.6	2.60	5.56	118.7
G411	2/20/2024	12:10	7.54	12.5	54.5	7.25	740.8	2.42	5.91	118.8
G411	2/20/2024	12:13	7.54	12.5	54.5	7.25	742.1	2.18	6.15	118.8
G411	2/20/2024	12:04	7.54	12.4	54.3	7.26	737.7	2.92	5.08	118.7
G411	2/20/2024	12:07	7.54	12.5	54.5	7.25	737.6	2.60	5.56	118.7
G411	2/20/2024	12:10	7.54	12.5	54.5	7.25	740.8	2.42	5.91	118.8
G411	2/20/2024	12:13	7.54	12.5	54.5	7.25	742.1	2.18	6.15	118.8

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L201	2/22/2024	9:56	2.10	16.0	60.8	11.54	6,499.0	7.07	4.64	-38.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L202	2/22/2024	9:50	2.21	18.2	64.8	11.53	15,607.5	6.09	8.56	-33.6

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L203	2/22/2024	10:04	2.06	18.6	65.5	11.75	7,304.8	4.39	4.23	-46.2

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
NE Riser	2/21/2024	14:19	7.02	12.4	54.3	6.64	17,268.3	6.29	2.43	191.1
NE Riser	2/21/2024	14:22	7.02	12.2	54.0	6.39	17,419.5	3.65	2.04	189.1
NE Riser	2/21/2024	14:25	7.02	12.2	54.0	6.54	17,574.9	2.52	1.94	181.7

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R104	2/14/2024	12:29	8.65	13.2	55.8	7.50	832.9	6.74	9.04	139.7
R104	2/14/2024	12:32	8.65	13.0	55.4	7.46	831.5	6.27	7.03	140.3
R104	2/14/2024	12:35	8.65	12.9	55.2	7.44	830.9	6.08	5.86	140.6
R104	2/14/2024	12:38	8.65	12.9	55.2	7.43	830.1	5.98	5.26	140.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201	2/20/2024	13:53	4.06	13.9	57.0	7.10	930.3	3.20	48.64	143.8
R201	2/20/2024	13:56	4.06	13.8	56.8	7.03	924.0	2.47	31.40	145.5
R201	2/20/2024	13:59	4.06	13.8	56.8	7.01	941.8	2.06	18.87	146.3
R201	2/20/2024	14:02	4.06	13.9	57.0	7.00	962.3	1.76	16.66	146.8
R201	2/20/2024	14:05	4.06	13.9	57.0	7.00	971.2	1.57	14.47	147.0

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R205	2/14/2024	9:10	6.71	11.8	53.2	6.43	1,433.2	2.00	20.73	177.5
R205	2/14/2024	9:13	6.71	11.9	53.4	6.46	1,430.5	1.77	18.46	175.1
R205	2/14/2024	9:16	6.71	11.9	53.4	6.49	1,429.0	1.60	16.79	173.1
R205	2/14/2024	9:19	6.71	12.1	53.8	6.51	1,428.8	1.48	13.86	171.5
R205	2/14/2024	9:22	6.71	12.4	54.3	6.52	1,429.5	1.42	14.07	170.0

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-02	2/12/2024	15:01	7.22	DTW Only						

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-03	2/12/2024	11:43	8.44	DTW Only						

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T127	2/20/2024	12:37	14.63	14.3	57.7	7.08	837.3	3.30	78.61	150.0
T127	2/20/2024	12:40	14.63	14.3	57.7	7.08	837.1	3.24	71.55	149.8
T127	2/20/2024	12:43	14.63	14.4	57.9	7.08	836.7	3.16	69.22	149.6
T127	2/20/2024	12:46	14.63	14.4	57.9	7.07	836.1	3.08	63.83	149.5
T127	2/20/2024	12:49	14.63	14.4	57.9	7.07	835.9	3.00	60.11	149.3
T127	2/20/2024	12:52	14.63	14.4	57.9	7.07	835.7	2.92	56.73	149.1
T127	2/20/2024	12:55	14.63	14.4	57.9	7.07	834.7	2.87	53.56	149.0
T127	2/20/2024	12:58	14.63	14.3	57.7	7.07	835.2	2.81	49.63	148.7

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T128	2/15/2024	9:23	14.67	13.3	55.9	6.88	784.5	5.69	1.52	167.9
T128	2/15/2024	9:26	14.67	13.5	56.3	6.85	793.3	4.46	0.94	166.8
T128	2/15/2024	9:29	14.67	13.6	56.5	6.84	793.6	3.99	0.82	165.5

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
X201	2/20/2024	8:47	27.91	3.6	38.5	4.43	19,872.2	10.58	5.96	244.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01	2/19/2024	10:39	5.32	14.1	57.4	7.81	1,031.0	0.82	23.25	81.7
XPW01	2/19/2024	10:42	5.32	14.2	57.6	7.84	1,022.3	0.69	17.26	78.5
XPW01	2/19/2024	10:45	5.32	14.3	57.7	7.85	1,018.2	0.62	15.11	75.8
XPW01	2/19/2024	10:48	5.32	14.3	57.7	7.86	1,014.2	0.56	11.22	72.9
XPW01	2/19/2024	10:39	5.32	14.1	57.4	7.81	1,031.0	0.82	23.25	81.7
XPW01	2/19/2024	10:42	5.32	14.2	57.6	7.84	1,022.3	0.69	17.26	78.5
XPW01	2/19/2024	10:45	5.32	14.3	57.7	7.85	1,018.2	0.62	15.11	75.8
XPW01	2/19/2024	10:48	5.32	14.3	57.7	7.86	1,014.2	0.56	11.22	72.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW02	2/16/2024	10:36	10.40	16.5	61.7	7.66	651.5	0.79	24.84	-69.6
XPW02	2/16/2024	10:39	10.40	16.5	61.7	7.68	660.7	0.61	12.64	-114.4
XPW02	2/16/2024	10:42	10.40	16.4	61.5	7.69	662.7	0.52	6.25	-133.8
XPW02	2/16/2024	10:45	10.40	16.5	61.7	7.70	667.7	0.48	4.05	-146.8
XPW02	2/16/2024	10:36	10.40	16.5	61.7	7.66	651.5	0.79	24.84	-69.6
XPW02	2/16/2024	10:39	10.40	16.5	61.7	7.68	660.7	0.61	12.64	-114.4
XPW02	2/16/2024	10:42	10.40	16.4	61.5	7.69	662.7	0.52	6.25	-133.8
XPW02	2/16/2024	10:45	10.40	16.5	61.7	7.70	667.7	0.48	4.05	-146.8

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	2/12/2024	15:10	6.72	DTW Only						

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	2/21/2024	15:03	QA/QC Sample							

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102 Duplicate	2/14/2024	11:04	8.81	13.0	55.4	7.23	1,114.6	3.03	21.02	150.6
G102 Duplicate	2/14/2024	11:07	8.81	12.9	55.2	7.18	1,100.9	2.30	13.22	150.7
G102 Duplicate	2/14/2024	11:10	8.81	12.8	55.0	7.16	1,071.4	2.08	12.46	149.8
G102 Duplicate	2/14/2024	11:13	8.81	12.7	54.9	7.17	980.2	2.40	8.69	148.7

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200 Duplicate	2/21/2024	8:51	5.62	10.8	51.4	5.88	873.9	8.11	239.67	177.3
G200 Duplicate	2/21/2024	8:54	5.62	11.3	52.3	6.33	872.9	4.83	67.64	176.5
G200 Duplicate	2/21/2024	8:57	5.62	11.5	52.7	6.51	866.6	3.60	31.43	175.1
G200 Duplicate	2/21/2024	9:00	5.62	11.6	52.9	6.62	862.6	2.87	15.60	173.0
G200 Duplicate	2/21/2024	9:03	5.62	11.8	53.2	6.69	861.9	2.45	10.96	170.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G273 Duplicate	2/19/2024	13:12	10.95	13.5	56.3	7.06	1,661.5	2.83	27.92	147.7
G273 Duplicate	2/19/2024	13:15	10.95	13.5	56.3	7.01	1,675.5	2.11	14.56	149.8
G273 Duplicate	2/19/2024	13:18	10.95	13.6	56.5	6.99	1,680.5	1.76	9.78	151.0

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301 Duplicate	2/19/2024	11:54	6.95	12.2	54.0	6.64	999.7	0.82	41.03	109.6
G301 Duplicate	2/19/2024	11:57	6.95	12.2	54.0	6.61	997.2	0.76	36.47	109.8
G301 Duplicate	2/19/2024	12:00	6.95	12.2	54.0	6.60	993.5	0.74	27.25	109.9
G301 Duplicate	2/19/2024	12:03	6.95	12.2	54.0	6.59	991.1	0.72	22.24	109.9

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201 Duplicate	2/20/2024	13:53	4.06	13.9	57.0	7.10	930.3	3.20	48.64	143.8
R201 Duplicate	2/20/2024	13:56	4.06	13.8	56.8	7.03	924.0	2.47	31.40	145.5
R201 Duplicate	2/20/2024	13:59	4.06	13.8	56.8	7.01	941.8	2.06	18.87	146.3
R201 Duplicate	2/20/2024	14:02	4.06	13.9	57.0	7.00	962.3	1.76	16.66	146.8
R201 Duplicate	2/20/2024	14:05	4.06	13.9	57.0	7.00	971.2	1.57	14.47	147.0

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters
Coffeen- 1Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	2/21/2024	14:58	QA/QC Sample							

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, DC

Field Calibration Log(s)
Coffeen- 1Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/13/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	2/13/24 9:09
7.0 Buffer	wc230616f	7.00	2/13/24 9:07
10.0 Buffer	wc231027d	10.01	2/13/24 9:19
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/13/24 9:19

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.87	2/13/24 9:19
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/13/24 9:20	14.7	7.00	1,415	1.9			
CCV (Midday)	2/13/24 11:56	15.1	7.00	1,419	0.98			
CCV	2/13/24 14:44	16.5	7.02	1,421	2.03			

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/14/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.99	2/14/24 8:40
7.0 Buffer	wc230616f	7.00	2/14/24 8:36
10.0 Buffer	wc231027d	10.01	2/14/24 8:43
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/14/24 8:46

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	2.06	2/14/24 8:48
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/14/24 8:53	14.9	7.01	1,414	2.06			
CCV (Midday)	2/14/24 11:29	16	7.01	1,420	2.06			
CCV	2/14/24 15:08	16.3	7.02	1,423	2.08			

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, DC

Field Calibration Log(s)
Coffeen- 1Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/15/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	2/15/24 8:40
7.0 Buffer	wc230616f	7.01	2/15/24 8:37
10.0 Buffer	wc231027d	9.99	2/15/24 8:42
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/15/24 8:45

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.86	2/15/24 8:47
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/15/24 8:49	13.6	7.01	1,412	0.87			
CCV (Midday)	2/15/24 12:02	14.6	7.01	1,415	0.88			
CCV	2/15/24 14:30	17.7	7.03	1,427	0.94			

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/16/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	2/16/24 9:05
7.0 Buffer	wc230616f	7.01	2/16/24 9:02
10.0 Buffer	wc231027d	10.00	2/16/24 9:08
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/16/24 9:10

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.92	2/16/24 9:12
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/16/24 9:17	10.6	7.01	1,415	0.92			
CCV	2/16/24 10:41	14.6	7.01	1,418	0.95			

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, DC

Field Calibration Log(s)
Coffeen- 1Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): justin colp 2/19/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	2/19/24 8:42
7.0 Buffer	wc230616f	7.00	2/19/24 8:39
10.0 Buffer	wc231027d	10.01	2/19/24 8:45
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/19/24 8:49

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.23	2/19/24 8:51
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/19/24 8:54	12.5	7.01	1,415	1.23			
CCV (Midday)	2/19/24 12:24	14.3	7.01	1,418	1.26			
CCV	2/19/24 14:54	17.2	7.02	1,420	1.26			

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	2/20/24 8:31
7.0 Buffer	wc230616f	7.01	2/20/24 8:28
10.0 Buffer	wc231027d	9.99	2/20/24 8:34
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1414	2/20/24 8:37

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.92	
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/20/24 8:42	11.3	7.01	1,418	0.92			
CCV (Midday)	2/20/24 11:33	13	7.00	1,422	0.91			
CCV	2/20/24 15:07	17.6	7.03	1,426	0.99			

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, DC

Field Calibration Log(s)
Coffeen- 1Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/21/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	2/21/24 8:36
7.0 Buffer	wc230616f	7.00	2/21/24 8:33
10.0 Buffer	wc231027d	9.99	2/21/24 8:38
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/21/24 8:42

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.9	2/21/24 8:44
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/21/24 8:46	14.4	7.01	1,415	0.91			
CCV (Midday)	2/21/24 12:21	18.7	7.01	1,416	0.91			
CCV	2/21/24 15:05	20.2	7.03	1,419	0.94			

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/22/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	2/22/24 9:35
7.0 Buffer	wc230616f	7.02	2/22/24 9:35
10.0 Buffer	wc231027d	9.99	2/22/24 9:36
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1416	2/22/24 9:36

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.98	2/22/24 9:36
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/22/24 9:36	14.6	7.02	1,419	0.98			
CCV	2/22/24 10:13	15.9	7.02	1,420	0.98			

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, DC

Field Calibration Log(s)
Coffeen- 1Q 2024

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 45600 Technician(s): Tracy Carroll Date: 2/13/2023

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/13/24 10:34
7.0 Buffer	WC230616F	7.00	2/13/24 10:39
10.0 Buffer	WC231027D	10.00	2/13/24 10:42
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/13/24 10:47

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.06	2/13/24 10:56
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/13/24 10:54	11.9	7.08	1,413	0.07			
CCV	2/13/24 15:12	15.6	7.09	1,447	0.38			

Field Meter ID: Pine 45600 Technician(s): Tracy Carroll/ Danny Crump Date: 2/14/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/14/24 9:41
7.0 Buffer	WC230616F	7.00	2/14/24 9:43
10.0 Buffer	WC231027D	10.00	2/14/24 9:46
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/14/24 9:49

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.14	2/14/24 9:51
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/14/24 9:53	8.9	7.03	1,410	0.07			
CCV (Midday)	2/14/24 11:06	14.5	7.01	1,403	0.22			
CCV	2/14/24 15:07	16.6	7.00	1,399	0.31			

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, DC

Field Calibration Log(s)
Coffeen- 1Q 2024

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 45600 Technician(s): Tracy Carroll/Danny Crump Date: 2/15/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/15/24 10:08
7.0 Buffer	WC230616F	7.00	2/15/24 10:09
10.0 Buffer	WC231027D	10.00	2/15/24 10:11
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/15/24 10:12

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.33	2/15/24 10:13
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/15/24 10:16	13.0	7.03	1,413	0.33			
CCV	2/15/24 14:21	16.2	7.03	1,333	0.25			

Field Meter ID: Pine 45600 Technician(s): Tracy Carroll/Danny Crump Date: 2/16/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/16/24 9:27
7.0 Buffer	WC230616F	7.00	2/16/24 9:27
10.0 Buffer	WC231027D	10.00	2/16/24 9:28
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/16/24 9:29

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.23	2/16/24 9:31
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/16/24 9:31	8.9	7.09	1,410	0.49			
CCV (Midday)	2/16/24 11:50	10.6	7.07	1,406	0.51			
CCV	2/16/24 14:34	11.8	7.08	1,397	0.59			

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, DC

Field Calibration Log(s)
Coffeen- 1Q 2024

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 45600 Technician(s): Tracy Carroll/Danny Crump Date: 2/19/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/19/24 10:06
7.0 Buffer	WC230616F	7.00	2/19/24 10:08
10.0 Buffer	WC231027D	10.00	2/19/24 10:11
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/19/24 10:12

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.77	2/19/24 10:14
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/19/24 10:28	1.6	7.09	1,410	1.77			
CCV	2/19/24 15:29	10.1	7.09	1,312	0.84			

Field Meter ID: Pine 45600 Technician(s): Tracy Carroll/Danny Crump Date: 2/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/20/24 9:18
7.0 Buffer	WC230616F	7.00	2/20/24 9:20
10.0 Buffer	WC231027D	10.00	2/20/24 9:21
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/20/24 9:24

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.8	2/20/24 9:26
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/20/24 9:29	6.2	7.08	1,408	0.8			
CCV (Midday)	2/20/24 12:51	12.7	7.01	1,396	0.53			
CCV	2/20/24 16:49	16.2	7.08	1,328	0.41			

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45600
Description YSI Pro DSS
Calibrated 12/26/2023 5:10:39PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19D104679
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.07	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.83	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.09	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.0 / 0.0	NTU	0.0	NTU	-1.6	0.0	0.00%	Pass
124.0 / 124.0	NTU	124.0	NTU	120.0	124.0	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.441	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	252.1	240.0	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45600
Description YSI Pro DSS
Calibrated 12/26/2023 5:10:39PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	97.1	100.0	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521		5/20/2024
STL ORP SOLUTION 240MV L#3GJ0094	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094		7/25/2024
STL PH10 #3GF1088	STL PH10 #3GF1088	AquaPhoenix Scientific	PH 10	3GF1088		6/25/2025
STL PH4 L#3GG0025	STL pH4 L#3GG0025	AquaPhoenix Scientific	pH 4	3GG0025		7/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45720
Description YSI Pro DSS
Calibrated 12/26/2023 5:12:31PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101794
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.21	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.94	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.15	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.03	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	122.65	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.391	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	272.80	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45720
Description YSI Pro DSS
Calibrated 12/26/2023 5:12:31PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	97.30	100.00	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521		5/20/2024
STL ORP SOLUTION 240MV L#3GJ0094	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094		7/25/2024
STL PH10 #3GF1088	STL PH10 #3GF1088	AquaPhoenix Scientific	PH 10	3GF1088		6/25/2025
STL PH4 L#3GG0025	STL pH4 L#3GG0025	AquaPhoenix Scientific	pH 4	3GG0025		7/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

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Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

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

June 17, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: COF-24Q2 **WorkOrder:** 24041541

Dear Eric Bauer:

TEKLAB, INC received 16 samples for COF_257_102 on 5/8/2024 1:48:00 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: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

This reporting package includes the following:

Cover Letter	1
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Definitions	3
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Quality Control Results	24
Receiving Check List	203
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Definitions

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-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-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Cooler Receipt Temp: 1.7 °C

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

Depth, only, collection dates/times per field files. G152, G206, G206D, G314, G314D, G316, G410, R205, Field Blank, and Equipment Blank 1 collection times per field files. Equipment Blanks 2 and 3 were not needed. EAH 5/9/24

Per Eric Bauer's request, only COF_257_102 data is included in this report. EAH 6/17/24

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:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-002 **Client Sample ID:** G1001

Matrix: GROUNDWATER **Collection Date:** 05/07/2024 10:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.73**	ft	1	05/07/2024 10:16	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.9**	NTU	1	05/07/2024 10:16	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**3**	mV	1	05/07/2024 10:16	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1050**	µS/cm	1	05/07/2024 10:16	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.7**	°C	1	05/07/2024 10:16	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.79**	mg/L	1	05/07/2024 10:16	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		**6.82**		1	05/07/2024 10:16	R347020
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**774**	mg/L	1	05/08/2024 12:07	R347018
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**150**	mg/L	10	05/09/2024 23:53	R347057
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.29**	mg/L	1	05/13/2024 11:57	R347147
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**10**	mg/L	1	05/09/2024 23:47	R347069
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**130**	mg/L	1	05/10/2024 15:24	222728
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.8	1.0	JS	**0.9**	µg/L	5	05/14/2024 0:19	222728
Arsenic	NELAP	0.4	1.0	J	**0.7**	µg/L	5	05/14/2024 0:19	222728
Barium	NELAP	0.7	1.0		**47.3**	µg/L	5	05/14/2024 0:19	222728
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/14/2024 0:19	222728
Boron	NELAP	9.2	20.0		**823**	µg/L	5	05/14/2024 11:23	222728
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/14/2024 0:19	222728
Chromium	NELAP	0.8	1.5		**2.4**	µg/L	5	05/14/2024 0:19	222728
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	05/14/2024 0:19	222728
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/14/2024 0:19	222728
Lithium	*	1.4	3.0		**7.8**	µg/L	5	05/14/2024 0:19	222728
Molybdenum	NELAP	0.6	1.5		**6.9**	µg/L	5	05/16/2024 3:02	222728
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/14/2024 0:19	222728
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/14/2024 0:19	222728
Matrix spike recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	05/18/2024 14:33	222921

Laboratory Results

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

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24
Lab ID: 24041541-003
Client Sample ID: G1003
Matrix: GROUNDWATER
Collection Date: 05/06/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.16**	ft	1	05/06/2024 13:18	R347020

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-042 **Client Sample ID:** G270

Matrix: GROUNDWATER **Collection Date:** 05/08/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**1.94**	ft	1	05/08/2024 9:40	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.3**	NTU	1	05/08/2024 9:40	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**55**	mV	1	05/08/2024 9:40	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**688**	µS/cm	1	05/08/2024 9:40	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.0**	°C	1	05/08/2024 9:40	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.83**	mg/L	1	05/08/2024 9:40	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		**7.11**		1	05/08/2024 9:40	R347020
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**456**	mg/L	1	05/10/2024 9:23	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**56**	mg/L	2	05/10/2024 0:54	R347057
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.36**	mg/L	1	05/13/2024 13:50	R347147
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**12**	mg/L	1	05/10/2024 0:43	R347069
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**58.6**	mg/L	1	05/10/2024 15:29	222728
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.9**	µg/L	5	05/16/2024 3:36	222728
Arsenic	NELAP	0.4	1.0	J	**0.4**	µg/L	5	05/13/2024 23:49	222728
Barium	NELAP	0.7	1.0		**38.8**	µg/L	5	05/13/2024 23:49	222728
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 23:49	222728
Boron	NELAP	9.2	20	J	**9.9**	µg/L	5	05/13/2024 23:49	222728
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 23:49	222728
Chromium	NELAP	0.8	1.5	J	**0.9**	µg/L	5	05/13/2024 23:49	222728
Cobalt	NELAP	0.1	1.0	J	**0.1**	µg/L	5	05/13/2024 23:49	222728
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/13/2024 23:49	222728
Lithium	*	1.4	3.0	J	**2.2**	µg/L	5	05/13/2024 23:49	222728
Molybdenum	NELAP	0.8	1.5	J	**1.1**	µg/L	5	05/13/2024 23:49	222728
Selenium	NELAP	0.6	1.0	J	**0.8**	µg/L	5	05/13/2024 23:49	222728
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/13/2024 23:49	222728
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	05/18/2024 14:51	222921

Laboratory Results

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

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-053 **Client Sample ID:** G280

Matrix: GROUNDWATER **Collection Date:** 05/06/2024 14:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**3.86**	ft	1	05/06/2024 14:07	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**19**	NTU	1	05/06/2024 14:07	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**71**	mV	1	05/06/2024 14:07	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**834**	µS/cm	1	05/06/2024 14:07	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.7**	°C	1	05/06/2024 14:07	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.19**	mg/L	1	05/06/2024 14:07	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		**7.31**		1	05/06/2024 14:07	R347020
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**512**	mg/L	1	05/10/2024 9:23	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**96**	mg/L	5	05/10/2024 1:44	R347057
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.30**	mg/L	1	05/14/2024 12:30	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**74**	mg/L	5	05/10/2024 1:44	R347069
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**80.6**	mg/L	1	05/08/2024 15:13	222639
Matrix spike control limits are not applicable due to high sample/spike ratio.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0	J	**0.6**	µg/L	5	05/15/2024 1:24	222639
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	05/13/2024 9:36	222639
Barium	NELAP	0.7	1.0		**49.6**	µg/L	5	05/10/2024 14:23	222639
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 9:36	222639
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	05/13/2024 9:36	222639
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 9:36	222639
Chromium	NELAP	0.7	1.5		**2.4**	µg/L	5	05/13/2024 9:36	222639
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	05/13/2024 9:36	222639
Lead	NELAP	0.6	1.0	J	**0.7**	µg/L	5	05/10/2024 14:23	222639
Lithium	*	1.4	3.0		**4.7**	µg/L	5	05/13/2024 9:36	222639
Molybdenum	NELAP	0.8	1.5	J	**1.0**	µg/L	5	05/13/2024 9:36	222639
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/13/2024 9:36	222639
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/10/2024 14:23	222639
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	05/20/2024 15:18	223153

Laboratory Results

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

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-054 **Client Sample ID:** G281

Matrix: GROUNDWATER **Collection Date:** 05/03/2024 10:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.24**	ft	1	05/03/2024 10:27	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**63**	NTU	1	05/03/2024 10:27	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**91**	mV	1	05/03/2024 10:27	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1330**	µS/cm	1	05/03/2024 10:27	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.7**	°C	1	05/03/2024 10:27	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.15**	mg/L	1	05/03/2024 10:27	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		**6.96**		1	05/03/2024 10:27	R347020
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**890**	mg/L	1	05/04/2024 8:17	R346758
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**292**	mg/L	10	05/06/2024 19:46	R346843
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.29**	mg/L	1	05/14/2024 13:19	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		**78**	mg/L	2	05/06/2024 19:41	R346846
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**151**	mg/L	1	05/06/2024 12:00	222461
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/10/2024 9:25	222461
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	05/10/2024 9:25	222461
Barium	NELAP	0.7	1.0		**70.3**	µg/L	5	05/09/2024 15:38	222461
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/10/2024 9:25	222461
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	05/10/2024 9:25	222461
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 12:35	222461
Chromium	NELAP	0.7	1.5		**1.7**	µg/L	5	05/10/2024 9:25	222461
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	05/10/2024 9:25	222461
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/09/2024 15:38	222461
Lithium	*	1.4	3.0		**4.8**	µg/L	5	05/10/2024 9:25	222461
Molybdenum	NELAP	0.7	1.5	J	**0.9**	µg/L	5	05/16/2024 8:46	222461
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/10/2024 9:25	222461
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/09/2024 15:38	222461
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20	H	**< 0.20**	µg/L	1	06/03/2024 13:29	223672

Sample required re-extraction out of hold time.

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-073 **Client Sample ID:** G401

Matrix: GROUNDWATER **Collection Date:** 05/02/2024 14:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**20.94**	ft	1	05/02/2024 14:06	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.2**	NTU	1	05/02/2024 14:06	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**72**	mV	1	05/02/2024 14:06	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1400**	µS/cm	1	05/02/2024 14:06	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.8**	°C	1	05/02/2024 14:06	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.11**	mg/L	1	05/02/2024 14:06	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		**5.89**		1	05/02/2024 14:06	R347020
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**1270**	mg/L	2.5	05/04/2024 8:47	R346758
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**877**	mg/L	50	05/06/2024 20:50	R346843
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.22**	mg/L	1	05/14/2024 14:00	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**6**	mg/L	1	05/06/2024 20:45	R346846
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**244**	mg/L	1	05/07/2024 18:15	222414
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/10/2024 12:37	222414
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	05/10/2024 12:37	222414
Barium	NELAP	0.7	1.0		**13.4**	µg/L	5	05/09/2024 17:29	222414
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/10/2024 12:37	222414
Boron	NELAP	9.2	20.0		**1560**	µg/L	5	05/10/2024 12:37	222414
Cadmium	NELAP	0.2	1.0	J	**0.2**	µg/L	5	05/13/2024 16:59	222414
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	05/10/2024 12:37	222414
Cobalt	NELAP	0.1	1.0		**46.9**	µg/L	5	05/13/2024 16:59	222414
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/09/2024 17:29	222414
Lithium	*	1.4	3.0		**17.2**	µg/L	5	05/10/2024 12:37	222414
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	05/15/2024 5:21	222414
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/10/2024 12:37	222414
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/09/2024 17:29	222414
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	05/21/2024 12:54	222504

Laboratory Results

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

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-074 **Client Sample ID:** G402

Matrix: GROUNDWATER **Collection Date:** 05/06/2024 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.74**	ft	1	05/06/2024 12:00	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**38**	NTU	1	05/06/2024 12:00	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**111**	mV	1	05/06/2024 12:00	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1670**	µS/cm	1	05/06/2024 12:00	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.0**	°C	1	05/06/2024 12:00	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**7.65**	mg/L	1	05/06/2024 12:00	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		**7.02**		1	05/06/2024 12:00	R347020
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1370**	mg/L	1	05/10/2024 9:23	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**594**	mg/L	20	05/10/2024 3:07	R347057
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.31**	mg/L	1	05/14/2024 14:02	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**3**	mg/L	1	05/10/2024 22:21	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**208**	mg/L	1	05/08/2024 15:36	222639
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/15/2024 2:22	222639
Arsenic	NELAP	0.4	1.0		**1.8**	µg/L	5	05/13/2024 10:31	222639
Barium	NELAP	0.7	1.0		**19.3**	µg/L	5	05/10/2024 15:44	222639
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 10:31	222639
Boron	NELAP	9.2	20.0		**5200**	µg/L	5	05/13/2024 10:31	222639
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 10:31	222639
Chromium	NELAP	0.7	1.5		**2.2**	µg/L	5	05/13/2024 10:31	222639
Cobalt	NELAP	0.1	1.0		**1.1**	µg/L	5	05/13/2024 10:31	222639
Lead	NELAP	0.6	1.0	J	**0.7**	µg/L	5	05/10/2024 15:44	222639
Lithium	*	1.4	3.0		**22.4**	µg/L	5	05/13/2024 10:31	222639
Molybdenum	NELAP	0.8	1.5		**2.2**	µg/L	5	05/13/2024 10:31	222639
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/13/2024 10:31	222639
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/10/2024 15:44	222639
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	05/20/2024 15:45	223153

Laboratory Results

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

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-075 **Client Sample ID:** G403

Matrix: GROUNDWATER **Collection Date:** 05/06/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.26**	ft	1	05/06/2024 10:28	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.2**	NTU	1	05/06/2024 10:28	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**70**	mV	1	05/06/2024 10:28	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**717**	µS/cm	1	05/06/2024 10:28	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.5**	°C	1	05/06/2024 10:28	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.30**	mg/L	1	05/06/2024 10:28	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		**6.85**		1	05/06/2024 10:28	R347020
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**458**	mg/L	1	05/10/2024 9:46	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**87**	mg/L	5	05/10/2024 3:18	R347057
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.30**	mg/L	1	05/14/2024 14:04	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**7**	mg/L	1	05/10/2024 3:12	R347069
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**83.2**	mg/L	1	05/08/2024 15:37	222639
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/15/2024 2:27	222639
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	05/13/2024 10:38	222639
Barium	NELAP	0.7	1.0		**107**	µg/L	5	05/10/2024 15:50	222639
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 10:38	222639
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	05/13/2024 10:38	222639
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 10:38	222639
Chromium	NELAP	0.7	1.5	J	**1.0**	µg/L	5	05/13/2024 10:38	222639
Cobalt	NELAP	0.1	1.0	J	**0.1**	µg/L	5	05/13/2024 10:38	222639
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	06/07/2024 1:37	223763
Lithium	*	1.4	3.0		**3.0**	µg/L	5	05/13/2024 10:38	222639
Molybdenum	NELAP	0.8	1.5		**< 1.5**	µg/L	5	05/13/2024 10:38	222639
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/13/2024 10:38	222639
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/10/2024 15:50	222639
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	05/20/2024 15:48	223153

Laboratory Results

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

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-076 **Client Sample ID:** G404

Matrix: GROUNDWATER **Collection Date:** 05/06/2024 12:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**3.80**	ft	1	05/06/2024 12:44	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.0**	NTU	1	05/06/2024 12:44	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**89**	mV	1	05/06/2024 12:44	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1150**	µS/cm	1	05/06/2024 12:44	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**13.9**	°C	1	05/06/2024 12:44	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.09**	mg/L	1	05/06/2024 12:44	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		**6.84**		1	05/06/2024 12:44	R347020
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**826**	mg/L	1	05/10/2024 10:02	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**332**	mg/L	20	05/11/2024 1:16	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.18**	mg/L	1	05/14/2024 14:10	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**63**	mg/L	5	05/11/2024 1:12	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**131**	mg/L	1	05/08/2024 15:51	222639
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/15/2024 2:32	222639
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	05/13/2024 10:44	222639
Barium	NELAP	0.7	1.0		**34.0**	µg/L	5	05/10/2024 15:56	222639
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 10:44	222639
Boron	NELAP	9.2	20.0		**4620**	µg/L	5	05/13/2024 10:44	222639
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 10:44	222639
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	05/13/2024 10:44	222639
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	05/13/2024 10:44	222639
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/10/2024 15:56	222639
Lithium	*	1.4	3.0		**4.5**	µg/L	5	05/13/2024 10:44	222639
Molybdenum	NELAP	0.8	1.5	J	**0.9**	µg/L	5	05/13/2024 10:44	222639
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/13/2024 10:44	222639
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/10/2024 15:56	222639
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	05/20/2024 15:50	223153

Laboratory Results

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

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-077 **Client Sample ID:** G405

Matrix: GROUNDWATER **Collection Date:** 05/06/2024 13:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.05**	ft	1	05/06/2024 13:13	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**8.1**	NTU	1	05/06/2024 13:13	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**59**	mV	1	05/06/2024 13:13	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1820**	µS/cm	1	05/06/2024 13:13	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.0**	°C	1	05/06/2024 13:13	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.71**	mg/L	1	05/06/2024 13:13	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		**6.96**		1	05/06/2024 13:13	R347020
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1460**	mg/L	1	05/10/2024 10:02	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**886**	mg/L	50	05/11/2024 1:25	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.43**	mg/L	1	05/14/2024 14:12	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**17**	mg/L	1	05/11/2024 1:20	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**251**	mg/L	1	05/08/2024 15:53	222639
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/15/2024 2:38	222639
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	05/13/2024 10:50	222639
Barium	NELAP	0.7	1.0		**11.6**	µg/L	5	05/10/2024 16:02	222639
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 10:50	222639
Boron	NELAP	9.2	20.0		**9230**	µg/L	5	05/13/2024 10:50	222639
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 10:50	222639
Chromium	NELAP	0.7	1.5	J	**0.8**	µg/L	5	05/13/2024 10:50	222639
Cobalt	NELAP	0.1	1.0	J	**0.8**	µg/L	5	05/13/2024 10:50	222639
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/10/2024 16:02	222639
Lithium	*	1.4	3.0	J	**2.6**	µg/L	5	05/13/2024 10:50	222639
Molybdenum	NELAP	0.8	1.5		**< 1.5**	µg/L	5	05/13/2024 10:50	222639
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/13/2024 10:50	222639
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/10/2024 16:02	222639
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	05/20/2024 15:52	223153

Laboratory Results

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

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-078 **Client Sample ID:** G406

Matrix: GROUNDWATER **Collection Date:** 05/06/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.24**	ft	1	05/06/2024 11:05	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**1.4**	NTU	1	05/06/2024 11:05	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**100**	mV	1	05/06/2024 11:05	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1370**	µS/cm	1	05/06/2024 11:05	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.9**	°C	1	05/06/2024 11:05	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.36**	mg/L	1	05/06/2024 11:05	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		**6.65**		1	05/06/2024 11:05	R347020
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1030**	mg/L	1	05/10/2024 10:02	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**474**	mg/L	20	05/11/2024 1:49	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.34**	mg/L	1	05/14/2024 14:14	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**4**	mg/L	1	05/11/2024 1:44	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**192**	mg/L	1	05/08/2024 15:55	222639
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/15/2024 2:43	222639
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	05/13/2024 10:56	222639
Barium	NELAP	0.7	1.0		**12.8**	µg/L	5	05/10/2024 16:52	222639
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 10:56	222639
Boron	NELAP	9.2	20.0		**1360**	µg/L	5	05/13/2024 10:56	222639
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/13/2024 10:56	222639
Chromium	NELAP	0.7	1.5	J	**0.9**	µg/L	5	05/13/2024 10:56	222639
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	05/13/2024 10:56	222639
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/10/2024 16:52	222639
Lithium	*	1.4	3.0		**9.4**	µg/L	5	05/13/2024 10:56	222639
Molybdenum	NELAP	0.8	1.5		**< 1.5**	µg/L	5	05/13/2024 10:56	222639
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/13/2024 10:56	222639
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/10/2024 16:52	222639
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	05/18/2024 15:09	222921

Laboratory Results

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

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-079 **Client Sample ID:** G407

Matrix: GROUNDWATER **Collection Date:** 04/29/2024 14:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.27**	ft	1	04/29/2024 14:52	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**71**	NTU	1	04/29/2024 14:52	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**97**	mV	1	04/29/2024 14:52	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2210**	µS/cm	1	04/29/2024 14:52	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**14.8**	°C	1	04/29/2024 14:52	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.48**	mg/L	1	04/29/2024 14:52	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		**6.65**		1	04/29/2024 14:52	R347020
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1910**	mg/L	1	04/30/2024 11:30	R346581
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**966**	mg/L	50	05/02/2024 8:06	R346635
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**0.31**	mg/L	1	05/06/2024 13:59	R346823
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**11**	mg/L	1	05/02/2024 8:00	R346639
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**246**	mg/L	1	05/02/2024 16:18	222328
Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	05/09/2024 13:29	222328
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	05/07/2024 13:37	222328
Barium	NELAP	0.7	1.0		**11.5**	µg/L	5	05/07/2024 13:37	222328
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/07/2024 13:37	222328
Boron	NELAP	9.2	20.0		**60.1**	µg/L	5	05/07/2024 13:37	222328
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/07/2024 13:37	222328
Chromium	NELAP	0.7	1.5	J	**1.2**	µg/L	5	05/07/2024 13:37	222328
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	05/07/2024 13:37	222328
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/07/2024 13:37	222328
Lithium	*	1.4	3.0		**42.1**	µg/L	5	05/07/2024 13:37	222328
Molybdenum	NELAP	0.6	1.5		**2.1**	µg/L	5	05/07/2024 13:37	222328
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/07/2024 13:37	222328
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/07/2024 13:37	222328
CCV recovered outside the upper control limits for Cr. 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	05/21/2024 12:56	222504

Laboratory Results

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

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24
Lab ID: 24041541-087
Client Sample ID: SG-02
Matrix: GROUNDWATER
Collection Date: 04/29/2024 15:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.68**	ft	1	04/29/2024 15:29	R347020

Laboratory Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-088 **Client Sample ID:** SG-03

Matrix: GROUNDWATER **Collection Date:** 04/29/2024 10:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.94**	ft	1	04/29/2024 10:27	R347020

Laboratory Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-095 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 05/08/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	05/10/2024 9:47	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	05/10/2024 23:55	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	05/14/2024 14:38	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	05/10/2024 23:55	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**< 0.100**	mg/L	1	05/10/2024 16:02	222728
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.8	1.0		**< 1.0**	µg/L	5	05/14/2024 0:01	222728
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	05/14/2024 0:01	222728
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	05/14/2024 0:01	222728
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/14/2024 0:01	222728
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	06/04/2024 18:52	223769
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/14/2024 0:01	222728
Chromium	NELAP	0.8	1.5	J	**0.8**	µg/L	5	05/14/2024 0:01	222728
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	05/14/2024 0:01	222728
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/14/2024 0:01	222728
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	05/14/2024 0:01	222728
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	06/04/2024 18:52	223769
Selenium	NELAP	0.6	1.0	J	**0.7**	µg/L	5	05/14/2024 0:01	222728
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/14/2024 0:01	222728
Contamination present in the CCB for B. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	05/21/2024 19:00	223077

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

Lab ID: 24041541-101 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 05/08/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	05/10/2024 9:47	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	05/11/2024 0:53	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		**< 0.10**	mg/L	1	05/14/2024 15:11	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	05/11/2024 0:53	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**0.219**	mg/L	1	05/10/2024 16:04	222728
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.8	1.0		**< 1.0**	µg/L	5	05/14/2024 0:07	222728
Arsenic	NELAP	0.4	1.0		**1.2**	µg/L	5	05/14/2024 0:07	222728
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	05/14/2024 0:07	222728
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/14/2024 0:07	222728
Boron	NELAP	9.2	20.0		**32.2**	µg/L	5	05/14/2024 0:07	222728
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	05/14/2024 0:07	222728
Chromium	NELAP	0.8	1.5	J	**1.1**	µg/L	5	05/14/2024 0:07	222728
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	05/14/2024 0:07	222728
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/14/2024 0:07	222728
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	05/14/2024 0:07	222728
Molybdenum	NELAP	0.7	1.5		**4.3**	µg/L	5	05/16/2024 7:47	222728
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	05/14/2024 0:07	222728
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	05/14/2024 0:07	222728
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	05/21/2024 20:14	223077

Sample Summary

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24041541-002	G1001	Groundwater	2	05/07/2024 10:16
24041541-003	G1003	Groundwater	4	05/06/2024 13:18
24041541-042	G270	Groundwater	6	05/08/2024 9:40
24041541-053	G280	Groundwater	6	05/06/2024 14:07
24041541-054	G281	Groundwater	4	05/03/2024 10:27
24041541-073	G401	Groundwater	4	05/02/2024 14:06
24041541-074	G402	Groundwater	4	05/06/2024 12:00
24041541-075	G403	Groundwater	4	05/06/2024 10:28
24041541-076	G404	Groundwater	4	05/06/2024 12:44
24041541-077	G405	Groundwater	4	05/06/2024 13:13
24041541-078	G406	Groundwater	4	05/06/2024 11:05
24041541-079	G407	Groundwater	4	04/29/2024 14:52
24041541-087	SG-02	Groundwater	1	04/29/2024 15:29
24041541-088	SG-03	Groundwater	1	04/29/2024 10:27
24041541-095	Field Blank	Aqueous	17	05/08/2024 11:21
24041541-101	Equipment Blank 1	Aqueous	17	05/08/2024 11:35

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

STANDARD METHODS 2510 B FIELD

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-1

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	04/29/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-1.15

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	04/30/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-1.8

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.2	90	110	04/30/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	04/30/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-2.16

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	05/01/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-2.9

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	05/01/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	05/01/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-3.10

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	05/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

STANDARD METHODS 2510 B FIELD

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-3.17

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	05/02/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	05/02/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-4.11

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	05/03/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-4.18

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	05/03/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	05/03/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-5.12

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	05/06/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-5.19

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	05/06/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	05/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

STANDARD METHODS 2510 B FIELD

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-6.13

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	05/07/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-6.20

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	05/07/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-7

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	05/07/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-7.14

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	05/08/2024

Batch R347020 **SampType:** LCS Units **µS/cm**
SampID: LCS-7.21

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	05/08/2024

SW-846 9040B FIELD

Batch R347020 **SampType:** LCS Units
SampID: LCS-1

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	04/29/2024

Batch R347020 **SampType:** LCS Units
SampID: LCS-1.15

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	04/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9040B FIELD

Batch R347020 **SampType:** LCS Units
SampID: LCS-1.8

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	04/30/2024

Batch R347020 **SampType:** LCS Units
SampID: LCS-2

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	04/30/2024

Batch R347020 **SampType:** LCS Units
SampID: LCS-2.16

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	05/01/2024

Batch R347020 **SampType:** LCS Units
SampID: LCS-2.9

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	05/01/2024

Batch R347020 **SampType:** LCS Units
SampID: LCS-3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.10**	7.000	0	101.4	98.57	101.4	05/01/2024

Batch R347020 **SampType:** LCS Units
SampID: LCS-3.10

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	05/02/2024

Batch R347020 **SampType:** LCS Units
SampID: LCS-3.17

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	05/02/2024

Batch R347020 **SampType:** LCS Units
SampID: LCS-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	05/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9040B FIELD

Batch R347020 **SampType:** LCS Units

SampID: LCS-4.11

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	05/03/2024

Batch R347020 **SampType:** LCS Units

SampID: LCS-4.18

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	05/03/2024

Batch R347020 **SampType:** LCS Units

SampID: LCS-5

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	05/03/2024

Batch R347020 **SampType:** LCS Units

SampID: LCS-5.12

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	05/06/2024

Batch R347020 **SampType:** LCS Units

SampID: LCS-5.19

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	05/06/2024

Batch R347020 **SampType:** LCS Units

SampID: LCS-6

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.07**	7.000	0	101.0	98.57	101.4	05/06/2024

Batch R347020 **SampType:** LCS Units

SampID: LCS-6.13

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	05/07/2024

Batch R347020 **SampType:** LCS Units

SampID: LCS-6.20

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	05/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9040B FIELD

Batch R347020 **SampType:** LCS Units

SampID: LCS-7

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.05**	7.000	0	100.7	98.57	101.4	05/07/2024

Batch R347020 **SampType:** LCS Units

SampID: LCS-7.14

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	05/08/2024

Batch R347020 **SampType:** LCS Units

SampID: LCS-7.21

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	05/08/2024

EPA 1664A

Batch R346878 **SampType:** MBLK Units **mg/L**

SampID: MBLK2

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	05/07/2024

Batch R346878 **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	94.8	78	114	05/06/2024

Batch R346878 **SampType:** MS Units **mg/L**

SampID: 24042278-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		6		**44**	44.74	5.410	86.7	78	114	05/06/2024

Batch R347205 **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	05/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

EPA 1664A

Batch R347205 **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		**42**	40.00	0	103.8	78	114	05/13/2024

Batch R347205 **SampType:** MS Units **mg/L**
SampID: 24050711-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		6		**52**	46.47	11.45	87.4	78	114	05/13/2024

Batch R347241 **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	05/13/2024

Batch R347241 **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	112.8	78	114	05/13/2024

Batch R347241 **SampType:** MS Units **mg/L**
SampID: 24050632-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5	S	**33**	41.98	6.672	63.4	78	114	05/13/2024

Batch R347241 **SampType:** MS Units **mg/L**
SampID: 24051058-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		3		**29**	27.12	3.653	94.8	78	114	05/13/2024

EPA 600 350.1 (TOTAL)

Batch R346656 **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	05/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R346656 **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		**1.05**	1.000	0	105.2	90	110	05/01/2024

Batch R346656 **SampType:** MS Units **mg/L**
SampID: 24042332-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.03**	2.000	0.1340	94.6	90	110	05/01/2024

Batch R346656 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042332-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.02**	2.000	0.1340	94.2	2.027	0.49	05/01/2024

Batch R346656 **SampType:** MS Units **mg/L**
SampID: 24042342-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.07**	2.000	0.1860	94.3	90	110	05/01/2024

Batch R346656 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042342-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.04**	2.000	0.1860	92.8	2.072	1.41	05/01/2024

Batch R346656 **SampType:** MS Units **mg/L**
SampID: 24042398-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.99**	2.000	0.1260	93.1	90	110	05/01/2024

Batch R346656 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042398-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.95**	2.000	0.1260	91.2	1.988	1.93	05/01/2024

Batch R346656 **SampType:** MS Units **mg/L**
SampID: 24042409-001FMS

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	0.1040	93.9	90	110	05/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R346656 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042409-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.98**	2.000	0.1040	93.8	1.982	0.15	05/01/2024

Batch R346656 **SampType:** MS Units **mg/L**
SampID: 24042412-001CMS

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	93.2	90	110	05/01/2024

Batch R346656 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042412-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.03400	94.2	1.898	1.10	05/01/2024

Batch R346656 **SampType:** MS Units **mg/L**
SampID: 24042441-001BMS

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	94.6	90	110	05/01/2024

Batch R346656 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042441-001BMSD

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	94.8	1.891	0.32	05/01/2024

Batch R346656 **SampType:** MS Units **mg/L**
SampID: 24042441-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.71**	2.000	0.04000	83.6	90	110	05/01/2024

Batch R346656 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042441-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.73**	2.000	0.04000	84.4	1.712	0.93	05/01/2024

Batch R346656 **SampType:** MS Units **mg/L**
SampID: 24042443-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.07**	2.000	0.1680	95.0	90	110	05/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R346656 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042443-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.03**	2.000	0.1680	93.1	2.069	1.90	05/01/2024

Batch R346717 **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	05/03/2024

Batch R346717 **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		**1.05**	1.000	0	105.4	90	110	05/03/2024

Batch R346717 **SampType:** MS Units **mg/L**
SampID: 24050060-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**27.8**	20.00	8.734	95.4	90	110	05/03/2024

Batch R346717 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050060-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**27.9**	20.00	8.734	95.7	27.80	0.28	05/03/2024

Batch R346717 **SampType:** MS Units **mg/L**
SampID: 24050069-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.14**	2.000	0.1880	97.6	90	110	05/03/2024

Batch R346717 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050069-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.13**	2.000	0.1880	96.9	2.141	0.70	05/03/2024

Batch R346717 **SampType:** MS Units **mg/L**
SampID: 24050111-007BMS

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	96.0	90	110	05/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R346717 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050111-007BMSD

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	93.3	1.920	2.85	05/03/2024

Batch R346717 **SampType:** MS Units **mg/L**
SampID: 24050118-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.15**	2.000	0.2730	93.8	90	110	05/03/2024

Batch R346717 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050118-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.16**	2.000	0.2730	94.4	2.150	0.51	05/03/2024

Batch R346717 **SampType:** MS Units **mg/L**
SampID: 24050212-016AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.29**	2.000	0.3750	95.8	90	110	05/03/2024

Batch R346717 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050212-016AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.31**	2.000	0.3750	96.7	2.290	0.83	05/03/2024

Batch R346717 **SampType:** MS Units **mg/L**
SampID: 24050234-004EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.01**	2.000	0.1280	94.2	90	110	05/03/2024

Batch R346717 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050234-004EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.03**	2.000	0.1280	95.0	2.012	0.79	05/03/2024

Batch R346869 **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	05/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R346869 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**0.96**	1.000	0	96.2	90	110	05/06/2024

Batch R346869 **SampType:** MS Units **mg/L**
SampID: 24050079-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		2.00		**38.4**	40.00	2.417	90.0	90	110	05/06/2024

Batch R346869 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050079-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		2.00	S	**37.9**	40.00	2.417	88.7	38.44	1.40	05/06/2024

Batch R346869 **SampType:** MS Units **mg/L**
SampID: 24050337-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.60**	2.000	0.03900	77.8	90	110	05/06/2024

Batch R346869 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050337-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.60**	2.000	0.03900	78.0	1.595	0.31	05/06/2024

Batch R346869 **SampType:** MS Units **mg/L**
SampID: 24050339-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0.06700	90.2	90	110	05/06/2024

Batch R346869 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050339-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.86**	2.000	0.06700	89.8	1.872	0.43	05/06/2024

Batch R346869 **SampType:** MS Units **mg/L**
SampID: 24050352-003HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.78**	2.000	0.05600	86.0	90	110	05/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R346869 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050352-003HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.79**	2.000	0.05600	86.7	1.775	0.84	05/06/2024

Batch R346965 **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	05/08/2024

Batch R346965 **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	100.7	90	110	05/08/2024

Batch R346965 **SampType:** MS Units **mg/L**
SampID: 24050628-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	E	**5.43**	2.000	3.465	98.4	90	110	05/08/2024

Batch R346965 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050628-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	E	**5.43**	2.000	3.465	98.4	5.432	0.04	05/08/2024

Batch R347127 **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	05/10/2024

Batch R347127 **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	100.9	90	110	05/10/2024

Batch R347127 **SampType:** MS Units **mg/L**
SampID: 24050001-011JMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**4.27**	2.000	2.398	93.4	90	110	05/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R347127 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050001-011JMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**4.28**	2.000	2.398	93.8	4.267	0.19	05/10/2024

Batch R347127 **SampType:** MS Units **mg/L**
SampID: 24050697-007BMS

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	95.8	90	110	05/10/2024

Batch R347127 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050697-007BMSD

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	95.5	1.915	0.26	05/10/2024

Batch R347127 **SampType:** MS Units **mg/L**
SampID: 24050718-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.27**	2.000	0.4000	93.4	90	110	05/10/2024

Batch R347127 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050718-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.28**	2.000	0.4000	94.1	2.267	0.66	05/10/2024

Batch R347127 **SampType:** MS Units **mg/L**
SampID: 24050795-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.28**	2.000	0.4800	90.0	90	110	05/10/2024

Batch R347127 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050795-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.28**	2.000	0.4800	90.0	2.280	0.00	05/10/2024

Batch R347127 **SampType:** MS Units **mg/L**
SampID: 24050795-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.30**	2.000	0.4930	90.2	90	110	05/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R347127 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050795-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.32**	2.000	0.4930	91.1	2.297	0.78	05/10/2024

Batch R347127 **SampType:** MS Units **mg/L**
SampID: 24050811-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.74**	2.000	0.8620	93.7	90	110	05/10/2024

Batch R347127 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050811-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.75**	2.000	0.8620	94.3	2.735	0.44	05/10/2024

Batch R347127 **SampType:** MS Units **mg/L**
SampID: 24050848-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.50		**11.6**	10.00	1.977	95.9	90	110	05/10/2024

Batch R347127 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050848-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.50		**11.5**	10.00	1.977	95.3	11.57	0.53	05/10/2024

Batch R347127 **SampType:** MS Units **mg/L**
SampID: 24050859-007BMS

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	0.02800	94.4	90	110	05/10/2024

Batch R347127 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050859-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.93**	2.000	0.02800	95.2	1.915	0.88	05/10/2024

Batch R347127 **SampType:** MS Units **mg/L**
SampID: 24050876-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.96**	2.000	0.04700	95.6	90	110	05/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R347127 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24050876-002CMSD

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	0.04700	96.1	1.959	0.51	05/10/2024

EPA 600 365.4 (TOTAL)

Batch 222716 **SampType:** MBLK Units **mg/L**

SampID: MBLK 240508 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	05/09/2024

Batch 222716 **SampType:** LCS Units **mg/L**

SampID: LCS 240508 TP1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.06**	1.000	0	106.5	85	115	05/09/2024

Batch 222716 **SampType:** MS Units **mg/L**

SampID: 24050604-001HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.46**	1.000	0.4740	99.1	85	115	05/09/2024

Batch 222716 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24050604-001HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.48**	1.000	0.4740	100.9	1.465	1.22	05/09/2024

Batch 222716 **SampType:** MS Units **mg/L**

SampID: 24050709-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.500		**11.4**	5.000	6.620	96.3	85	115	05/09/2024

Batch 222716 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24050709-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)		0.500		**11.5**	5.000	6.620	97.1	11.44	0.35	05/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

EPA 600 365.4 (TOTAL)

Batch 222716 **SampType:** MS Units **mg/L**
SampID: 24050714-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.500		**6.30**	5.000	1.375	98.5	85	115	05/09/2024

Batch 222716 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050714-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)		0.500		**6.37**	5.000	1.375	99.9	6.300	1.10	05/09/2024

Batch 222767 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240509 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	05/14/2024

Batch 222767 **SampType:** LCS Units **mg/L**
SampID: LCS 240509 TP1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.09**	1.000	0	108.6	85	115	05/14/2024

Batch 222767 **SampType:** MS Units **mg/L**
SampID: 24050697-008AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.43**	1.000	0.3880	104.1	85	115	05/14/2024

Batch 222767 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050697-008AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.46**	1.000	0.3880	106.7	1.429	1.80	05/14/2024

Batch 222767 **SampType:** MS Units **mg/L**
SampID: 24050745-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**2.96**	1.000	1.906	104.9	85	115	05/14/2024

Batch 222767 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050745-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)		0.100		**3.04**	1.000	1.906	113.5	2.955	2.87	05/14/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R346581 **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	04/30/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	04/30/2024

Batch R346581 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**952**	1000	0	95.2	90	110	04/30/2024
Total Dissolved Solids		20		**940**	1000	0	94.0	90	110	04/30/2024

Batch R346581 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24042262-006FDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**600**				582.0	3.05	04/30/2024

Batch R346728 **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	05/02/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/02/2024

Batch R346728 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**958**	1000	0	95.8	90	110	05/02/2024
Total Dissolved Solids		20		**952**	1000	0	95.2	90	110	05/02/2024

Batch R346728 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24042406-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50	H	**2160**				2200	1.83	05/02/2024

Batch R346728 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050057-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**565**				515.0	9.26	05/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R346728 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050143-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**2980**				3120	4.42	05/02/2024

Batch R346753 **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	05/03/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/03/2024

Batch R346753 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**960**	1000	0	96.0	90	110	05/03/2024
Total Dissolved Solids		20		**982**	1000	0	98.2	90	110	05/03/2024

Batch R346753 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041541-031ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**332**				314.0	5.57	05/03/2024

Batch R346753 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050139-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**400**				406.0	1.49	05/03/2024

Batch R346758 **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	05/04/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/04/2024

Batch R346758 **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		**928**	1000	0	92.8	90	110	05/04/2024
Total Dissolved Solids		20		**974**	1000	0	97.4	90	110	05/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R346758 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041541-021EDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**494**				474.0	4.13	05/04/2024

Batch R346758 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050228-001BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1440**				1372	5.11	05/04/2024

Batch R347018 **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	05/08/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/08/2024

Batch R347018 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**960**	1000	0	96.0	90	110	05/08/2024
Total Dissolved Solids		20		**994**	1000	0	99.4	90	110	05/08/2024

Batch R347018 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050482-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**128**				134.0	4.58	05/08/2024

Batch R347018 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050590-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200		**30100**				30420	1.12	05/08/2024

Batch R347018 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050591-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**1900**				1805	4.86	05/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R347190 **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	05/10/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/10/2024

Batch R347190 **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		**946**	1000	0	94.6	90	110	05/10/2024
Total Dissolved Solids		20		**912**	1000	0	91.2	90	110	05/10/2024

Batch R347190 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24041541-075ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**458**				458.0	0.00	05/10/2024

Batch R347190 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050891-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**455**				470.0	3.24	05/10/2024

Batch R347304 **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	05/14/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/14/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/14/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	05/14/2024

Batch R347304 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**978**	1000	0	97.8	90	110	05/14/2024
Total Dissolved Solids		20		**962**	1000	0	96.2	90	110	05/14/2024
Total Dissolved Solids		20		**922**	1000	0	92.2	90	110	05/14/2024
Total Dissolved Solids		20		**930**	1000	0	93.0	90	110	05/14/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R347304 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050819-003BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**380**				385.0	1.31	05/14/2024

Batch R347304 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050906-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**595**				560.0	6.06	05/14/2024

Batch R347304 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050906-014ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**538**				572.0	6.13	05/14/2024

Batch R347304 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24050975-002BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**760**				705.0	7.51	05/14/2024

Batch R347304 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24051090-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		100		**680**				670.0	1.48	05/14/2024

STANDARD METHODS 2540 D 1997, 2011

Batch R347107 **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	*	0.5		**< 0.5**	0.3000	0	0	-100	100	05/10/2024
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	05/10/2024
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	05/10/2024
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	05/10/2024
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	05/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

STANDARD METHODS 2540 D 1997, 2011

Batch R347107 **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		**96**	100.0	0	96.0	85	115	05/10/2024
Total Suspended Solids		6		**108**	100.0	0	108.0	85	115	05/10/2024
Total Suspended Solids		6		**106**	100.0	0	106.0	85	115	05/10/2024
Total Suspended Solids		6		**108**	100.0	0	108.0	85	115	05/10/2024
Total Suspended Solids		6		**107**	100.0	0	107.0	85	115	05/10/2024

Batch R347107 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24041541-082EDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	05/10/2024

Batch R347107 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24050602-006ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6	R	**16**				15.00	6.45	05/10/2024

Batch R347107 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24050625-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6	J	**5**				0	0.00	05/10/2024

Batch R347107 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24050717-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6	R	**15**				13.00	14.29	05/10/2024

Batch R347107 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24050735-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**7**				7.000	0.00	05/10/2024

Batch R347107 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24050763-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	05/10/2024

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

STANDARD METHODS 2540 D 1997, 2011

Batch R347107 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24050774-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6	J	**4**				0	0.00	05/10/2024
Total Suspended Solids	*	1.4	R	**4.0**				4.400	8.28	05/10/2024

Batch R347107 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24050834-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**28**				28.00	0.00	05/10/2024

Batch R347107 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24050872-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				5.000	0.00	05/10/2024

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

Batch R346656 **SampType:** MS Units **mg/L**
SampID: 24050007-007KMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.59**	2.000	0.7320	93.0	90	110	05/01/2024

Batch R346656 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050007-007KMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.62**	2.000	0.7320	94.2	2.592	0.88	05/01/2024

Batch R346717 **SampType:** MS Units **mg/L**
SampID: 24041541-020KMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.26**	2.000	0.3980	93.0	90	110	05/03/2024

Batch R346717 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-020KMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.28**	2.000	0.3980	94.2	2.257	1.10	05/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

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

Batch R346717 **SampType:** MS Units **mg/L**
SampID: 24050138-003IMS

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	92.6	90	110	05/03/2024

Batch R346717 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050138-003IMSD

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	92.8	1.853	0.16	05/03/2024

Batch R346869 **SampType:** MS Units **mg/L**
SampID: 24050364-005KMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.69**	2.000	0	84.7	90	110	05/06/2024

Batch R346869 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050364-005KMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.73**	2.000	0	86.4	1.694	1.93	05/06/2024

Batch R346965 **SampType:** MS Units **mg/L**
SampID: 24050451-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.43**	2.000	0.6100	91.2	90	110	05/08/2024

Batch R346965 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050451-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.43**	2.000	0.6100	91.0	2.433	0.08	05/08/2024

Batch R347127 **SampType:** MS Units **mg/L**
SampID: 24050887-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.84**	2.000	0	92.1	90	110	05/10/2024

Batch R347127 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050887-001GMSD

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	93.3	1.842	1.29	05/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

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

Batch R347127 **SampType:** MS Units **mg/L**
SampID: 24050887-006IMS

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	95.8	90	110	05/10/2024

Batch R347127 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050887-006IMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.81**	2.000	0	90.4	1.917	5.91	05/10/2024

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

Batch R346545 **SampType:** MS Units **mg/L**
SampID: 24050007-002FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	91.4	85	115	05/01/2024

Batch R346545 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050007-002FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.44**	0.5000	0	88.4	0.4570	3.34	05/01/2024

Batch R346614 **SampType:** MS Units **mg/L**
SampID: 24050031-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.43**	0.5000	0	86.4	85	115	05/01/2024

Batch R346614 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050031-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.43**	0.5000	0	85.6	0.4320	0.93	05/01/2024

Batch R346614 **SampType:** MS Units **mg/L**
SampID: 24050053-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**2.26**	2.500	0	90.4	85	115	05/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

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

Batch R346614 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050053-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.25		**2.14**	2.500	0	85.6	2.260	5.45	05/01/2024

Batch R346679 **SampType:** MS Units **mg/L**
SampID: 24050138-004DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.44**	0.5000	0	88.6	85	115	05/02/2024

Batch R346679 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050138-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.4	0.4430	6.34	05/02/2024

Batch R346741 **SampType:** MS Units **mg/L**
SampID: 24041541-004FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.6	85	115	05/03/2024

Batch R346741 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-004FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.2	0.4780	1.48	05/03/2024

Batch R346741 **SampType:** MS Units **mg/L**
SampID: 24050364-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0	89.8	85	115	05/03/2024

Batch R346741 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050364-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.44**	0.5000	0	87.2	0.4490	2.94	05/03/2024

Batch R346899 **SampType:** MS Units **mg/L**
SampID: 24041541-089FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	93.2	85	115	05/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch R346899 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-089FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	96.2	0.4660	3.17	05/07/2024

Batch R346899 **SampType:** MS Units **mg/L**
SampID: 24050583-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.45**	0.5000	0	90.8	85	115	05/07/2024

Batch R346899 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050583-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.44**	0.5000	0	87.8	0.4540	3.36	05/07/2024

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

Batch R346545 **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	04/30/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	04/30/2024

Batch R346545 **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	99.5	90	110	04/30/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	99.5	90	110	04/30/2024

Batch R346545 **SampType:** MS Units **mg/L**
SampID: 24042378-001AMS

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	101.6	85	115	04/30/2024

Batch R346545 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042378-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.4	0.5080	0.78	04/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

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

Batch R346545 **SampType:** MS Units **mg/L**
SampID: 24042422-005AMS

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	0.05500	91.6	85	115	04/30/2024

Batch R346545 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042422-005AMSD

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	0.05500	92.8	0.5130	1.16	04/30/2024

Batch R346614 **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	05/01/2024

Batch R346614 **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	99.5	90	110	05/01/2024

Batch R346614 **SampType:** MS Units **mg/L**
SampID: 24050025-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.42**	0.5000	0	84.2	85	115	05/01/2024

Batch R346614 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050025-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.42**	0.5000	0	84.0	0.4210	0.24	05/01/2024

Batch R346679 **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	05/02/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	05/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch R346679 **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		**0.32**	0.3045	0	103.8	90	110	05/02/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	103.8	90	110	05/02/2024

Batch R346679 **SampType:** MS Units **mg/L**
SampID: 24050118-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.48**	0.5000	0.005000	95.8	85	115	05/02/2024

Batch R346679 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050118-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.49**	0.5000	0.005000	97.0	0.4840	1.23	05/02/2024

Batch R346679 **SampType:** MS Units **mg/L**
SampID: 24050133-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.54**	0.5000	0	108.6	85	115	05/02/2024

Batch R346679 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050133-001AMSD

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	106.8	0.5430	1.67	05/02/2024

Batch R346741 **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	05/03/2024

Batch R346741 **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		**0.31**	0.3045	0	102.5	90	110	05/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch R346741 **SampType:** MS Units **mg/L**
SampID: 24041541-052AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	E	**0.78**	0.5000	0.3120	94.6	85	115	05/03/2024

Batch R346741 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-052AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	E	**0.79**	0.5000	0.3120	95.6	0.7850	0.63	05/03/2024

Batch R346899 **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	05/07/2024

Batch R346899 **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		**0.32**	0.3045	0	106.1	90	110	05/07/2024

Batch R346899 **SampType:** MS Units **mg/L**
SampID: 24041541-075AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0.006000	95.0	85	115	05/07/2024

Batch R346899 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-075AMSD

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	0.006000	94.8	0.4810	0.21	05/07/2024

Batch R346971 **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	05/08/2024

Batch R346971 **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		**0.32**	0.3045	0	104.8	90	110	05/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch R346971 **SampType:** MS Units **mg/L**
SampID: 24050636-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	93.8	85	115	05/08/2024

Batch R346971 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050636-001BMSD

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	95.0	0.4690	1.27	05/08/2024

Batch R346971 **SampType:** MS Units **mg/L**
SampID: 24050666-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	92.0	85	115	05/08/2024

Batch R346971 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050666-001AMSD

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	92.4	0.4600	0.43	05/08/2024

Batch R346971 **SampType:** MS Units **mg/L**
SampID: 24050679-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.42**	0.5000	0	84.0	85	115	05/08/2024

Batch R346971 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050679-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.42**	0.5000	0	85.0	0.4200	1.18	05/08/2024

Batch R346971 **SampType:** MS Units **mg/L**
SampID: 24050788-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	92.8	85	115	05/08/2024

Batch R346971 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050788-001BMSD

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	93.0	0.4640	0.22	05/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch R346971 **SampType:** MS Units **mg/L**
SampID: 24050788-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.2	85	115	05/08/2024

Batch R346971 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050788-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	96.6	0.4710	2.52	05/08/2024

Batch R347917 **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	05/28/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	05/28/2024

Batch R347917 **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		**0.31**	0.3045	0	100.8	90	110	05/28/2024
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	100.8	90	110	05/28/2024

Batch R347917 **SampType:** MS Units **mg/L**
SampID: 24052144-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.44**	0.5000	0.05600	76.8	85	115	05/28/2024

Batch R347917 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24052144-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.44**	0.5000	0.05600	76.8	0.4400	0.00	05/28/2024

Batch R347917 **SampType:** MS Units **mg/L**
SampID: 24052155-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0.03300	88.6	85	115	05/28/2024

Teklab, Inc.
Environmental Laboratory

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Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
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STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R347917 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24052155-001AMSD

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	0.03300	89.4	0.4760	0.84	05/28/2024

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

Batch R346632 **SampType:** MS Units **mg/L**
SampID: 24041541-012FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.306**	0.2500	0.05500	100.4	85	115	05/01/2024

Batch R346632 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-012FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.296**	0.2500	0.05500	96.4	0.3060	3.32	05/01/2024

Batch R346632 **SampType:** MS Units **mg/L**
SampID: 24050007-008FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.369**	0.2500	0.1210	99.2	85	115	05/01/2024

Batch R346632 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050007-008FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.373**	0.2500	0.1210	100.8	0.3690	1.08	05/01/2024

Batch R346632 **SampType:** MS Units **mg/L**
SampID: 24050031-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.202**	0.2500	0.01300	75.6	90	110	05/01/2024

Batch R346632 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050031-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.206**	0.2500	0.01300	77.2	0.2020	1.96	05/01/2024

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Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
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Batch R346632 **SampType:** MS Units **mg/L**
SampID: 24050031-007CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.221**	0.2500	0.01300	83.2	90	110	05/01/2024

Batch R346632 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050031-007CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.210**	0.2500	0.01300	78.8	0.2210	5.10	05/01/2024

Batch R346691 **SampType:** MS Units **mg/L**
SampID: 24050053-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.232**	0.2500	0	92.8	90	110	05/02/2024

Batch R346691 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050053-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.239**	0.2500	0	95.6	0.2320	2.97	05/02/2024

Batch R346793 **SampType:** MS Units **mg/L**
SampID: 24041541-009FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.273**	0.2500	0.04500	91.2	85	115	05/03/2024

Batch R346793 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-009FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.279**	0.2500	0.04500	93.6	0.2730	2.17	05/03/2024

Batch R346793 **SampType:** MS Units **mg/L**
SampID: 24041541-084FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.1**	5.000	5.409	94.7	85	115	05/03/2024

Batch R346793 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-084FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.2**	5.000	5.409	96.1	10.15	0.65	05/03/2024

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Client Project: COF-24Q2
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Batch R346793 **SampType:** MS Units **mg/L**
SampID: 24050364-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.26**	0.5000	0.7700	98.6	85	115	05/03/2024

Batch R346793 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050364-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.24**	0.5000	0.7700	94.6	1.263	1.60	05/03/2024

Batch R346793 **SampType:** MS Units **mg/L**
SampID: 24050364-008FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.28**	0.5000	0.7900	97.8	85	115	05/03/2024

Batch R346793 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050364-008FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.31**	0.5000	0.7900	103.4	1.279	2.17	05/03/2024

Batch R346903 **SampType:** MS Units **mg/L**
SampID: 24050451-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.235**	0.2500	0	94.0	85	115	05/07/2024

Batch R346903 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050451-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.232**	0.2500	0	92.8	0.2350	1.28	05/07/2024

Batch R346993 **SampType:** MS Units **mg/L**
SampID: 24041541-018FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.76**	0.5000	1.261	100.6	85	115	05/08/2024

Batch R346993 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-018FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.77**	0.5000	1.261	102.6	1.764	0.57	05/08/2024

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Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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Batch R346549 **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**						04/30/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	04/30/2024

Batch R346549 **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	04/30/2024

Batch R346549 **SampType:** MS Units **mg/L**
SampID: 24041541-081AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.18**	0.5000	1.683	100.4	85	115	04/30/2024

Batch R346549 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-081AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.21**	0.5000	1.683	106.0	2.185	1.27	04/30/2024

Batch R346549 **SampType:** MS Units **mg/L**
SampID: 24042368-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00	S	**13.6**	5.000	9.192	88.6	90	110	04/30/2024

Batch R346549 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042368-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**14.0**	5.000	9.192	95.4	13.62	2.48	04/30/2024

Batch R346549 **SampType:** MS Units **mg/L**
SampID: 24042385-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**29.9**	12.50	18.28	92.7	90	110	04/30/2024

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Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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Batch R346549 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042385-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**29.8**	12.50	18.28	92.6	29.86	0.04	04/30/2024

Batch R346549 **SampType:** MS Units **mg/L**
SampID: 24042405-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	H	**1.71**	0.5000	1.180	105.6	85	115	04/30/2024

Batch R346549 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042405-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	H	**1.66**	0.5000	1.180	97.0	1.708	2.55	04/30/2024

Batch R346632 **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**						05/01/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	05/01/2024

Batch R346632 **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		**0.520**	0.5000	0	104.0	90	110	05/01/2024

Batch R346632 **SampType:** MS Units **mg/L**
SampID: 24050025-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**18.0**	5.000	12.77	104.1	90	110	05/01/2024

Batch R346632 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050025-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**18.1**	5.000	12.77	106.4	17.97	0.63	05/01/2024

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Batch R346632 **SampType:** MS Units **mg/L**
SampID: 24050045-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	SE	**2.10**	0.5000	1.539	112.2	90	110	05/01/2024

Batch R346632 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050045-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.09**	0.5000	1.539	109.8	2.100	0.57	05/01/2024

Batch R346691 **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**						05/02/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	05/02/2024

Batch R346691 **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		**0.503**	0.5000	0	100.6	90	110	05/02/2024

Batch R346691 **SampType:** MS Units **mg/L**
SampID: 24050143-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**2.63**	2.500	0	105.3	90	110	05/02/2024

Batch R346691 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050143-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**2.60**	2.500	0	104.0	2.633	1.22	05/02/2024

Batch R346793 **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**						05/03/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	05/03/2024

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Batch R346793 **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		**0.493**	0.5000	0	98.6	90	110	05/03/2024

Batch R346793 **SampType:** MS Units **mg/L**
SampID: 24050241-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.237**	0.2500	0	94.8	90	110	05/03/2024

Batch R346793 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050241-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.236**	0.2500	0	94.4	0.2370	0.42	05/03/2024

Batch R346793 **SampType:** MS Units **mg/L**
SampID: 24050288-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.17**	1.250	2.035	90.8	90	110	05/03/2024

Batch R346793 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050288-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.21**	1.250	2.035	93.7	3.170	1.13	05/03/2024

Batch R346903 **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**						05/07/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	05/07/2024

Batch R346903 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.507**	0.5000	0	101.4	90	110	05/07/2024

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Batch R346903 **SampType:** MS Units **mg/L**
SampID: 24041541-074AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.244**	0.2500	0	97.6	85	115	05/07/2024

Batch R346903 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-074AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.245**	0.2500	0	98.0	0.2440	0.41	05/07/2024

Batch R346903 **SampType:** MS Units **mg/L**
SampID: 24050493-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.196**	0.2500	0.04500	60.4	85	115	05/07/2024

Batch R346903 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050493-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.195**	0.2500	0.04500	60.0	0.1960	0.51	05/07/2024

Batch R346993 **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**						05/08/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	05/08/2024

Batch R346993 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.501**	0.5000	0	100.2	90	110	05/08/2024

Batch R346993 **SampType:** MS Units **mg/L**
SampID: 24050328-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.5**	5.000	5.666	96.0	90	110	05/08/2024

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Batch R346993 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050328-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**10.5**	5.000	5.666	97.2	10.47	0.59	05/08/2024

Batch R346993 **SampType:** MS Units **mg/L**
SampID: 24050614-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.22**	5.000	4.682	90.8	90	110	05/08/2024

Batch R346993 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050614-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.31**	5.000	4.682	92.5	9.220	0.95	05/08/2024

Batch R346993 **SampType:** MS Units **mg/L**
SampID: 24050633-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.22**	0.5000	0.7600	92.4	90	110	05/08/2024

Batch R346993 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050633-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.22**	0.5000	0.7600	92.8	1.222	0.16	05/08/2024

Batch R346993 **SampType:** MS Units **mg/L**
SampID: 24050666-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**41.3**	25.00	17.60	94.8	90	110	05/08/2024

Batch R346993 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050666-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**41.2**	25.00	17.60	94.4	41.30	0.25	05/08/2024

Batch R346993 **SampType:** MS Units **mg/L**
SampID: 24050679-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.266**	0.2500	0.04300	89.2	85	115	05/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

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

Batch R346993 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050679-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.264**	0.2500	0.04300	88.4	0.2660	0.75	05/08/2024

Batch R346993 **SampType:** MS Units **mg/L**
SampID: 24050788-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.211**	0.2500	0.02000	76.4	85	115	05/08/2024

Batch R346993 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050788-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.218**	0.2500	0.02000	79.2	0.2110	3.26	05/08/2024

Batch R347067 **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**						05/09/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	05/09/2024

Batch R347067 **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		**0.483**	0.5000	0	96.6	90	110	05/09/2024

Batch R347067 **SampType:** MS Units **mg/L**
SampID: 24041541-042AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.267**	0.2500	0.03700	92.0	85	115	05/09/2024

Batch R347067 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-042AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.273**	0.2500	0.03700	94.4	0.2670	2.22	05/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch R347067 **SampType:** MS Units **mg/L**
SampID: 24050788-007BMS

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	05/09/2024

Batch R347067 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050788-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.228**	0.2500	0	91.2	0.2260	0.88	05/09/2024

Batch R347067 **SampType:** MS Units **mg/L**
SampID: 24050788-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.251**	0.2500	0.01500	94.4	85	115	05/09/2024

Batch R347067 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050788-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.254**	0.2500	0.01500	95.6	0.2510	1.19	05/09/2024

Batch R347067 **SampType:** MS Units **mg/L**
SampID: 24050817-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.425**	0.2500	0.1870	95.2	90	110	05/09/2024

Batch R347067 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050817-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.429**	0.2500	0.1870	96.8	0.4250	0.94	05/09/2024

Batch R347925 **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**						05/28/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	05/28/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch R347925 **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		**0.509**	0.5000	0	101.8	90	110	05/28/2024

Batch R347925 **SampType:** MS Units **mg/L**
SampID: 24052107-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.05		**0.24**	0.2500	0	94.4	90	110	05/28/2024

Batch R347925 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24052107-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.05		**0.24**	0.2500	0	96.8	0.2360	2.51	05/28/2024

Batch R347925 **SampType:** MS Units **mg/L**
SampID: 24052144-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**31.0**	12.50	18.09	103.3	90	110	05/28/2024

Batch R347925 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24052144-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**30.5**	12.50	18.09	99.0	31.00	1.74	05/28/2024

STANDARD METHODS 5210 B 2001, 2011

Batch 222730 **SampType:** LCS Units **mg/L**
SampID: LCS-BOD-1-050924

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Biochemical Oxygen Demand		100		**198**	198.0	0	100.0	84.6	115.4	05/09/2024

Batch 222730 **SampType:** DUP Units **mg/L** RPD Limit **40**
SampID: 24050756-003ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand		50		**585**				615.0	5.00	05/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

STANDARD METHODS 5210 B 2001, 2011

Batch 222730 **SampType:** DUP Units **mg/L** RPD Limit **40**

SampID: 24050794-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand		10		**46**				47.00	2.15	05/09/2024

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R347025 **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	05/09/2024

Batch R347025 **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		**111**	112.0	0	99.2	90	110	05/09/2024

Batch R347025 **SampType:** MS Units **mg/L**

SampID: 24041541-082KMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1200**	1000	253.2	94.4	85	115	05/09/2024

Batch R347025 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24041541-082KMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1160**	1000	253.2	90.5	1198	3.34	05/09/2024

Batch R347025 **SampType:** MS Units **mg/L**

SampID: 24050715-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1830**	1000	808.7	101.9	90	110	05/09/2024

Batch R347025 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24050715-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1810**	1000	808.7	100.6	1827	0.72	05/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R347025 **SampType:** MS Units **mg/L**
SampID: 24050740-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1210**	1000	141.7	106.5	90	110	05/09/2024

Batch R347025 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050740-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1200**	1000	141.7	106.0	1206	0.36	05/09/2024

Batch R347103 **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	05/10/2024

Batch R347103 **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		**115**	112.0	0	103.1	90	110	05/10/2024

Batch R347103 **SampType:** MS Units **mg/L**
SampID: 24050834-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1020**	1000	0	101.8	90	110	05/10/2024

Batch R347103 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050834-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1020**	1000	0	102.3	1018	0.43	05/10/2024

Batch R347103 **SampType:** MS Units **mg/L**
SampID: 24050900-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**1280**	1000	200.7	107.6	90	110	05/10/2024

Batch R347103 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050900-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**1220**	1000	200.7	101.9	1276	4.56	05/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 7196A

Batch R346973 **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	05/08/2024

Batch R346973 **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		**0.0539**	0.0500	0	107.8	90	110	05/08/2024

Batch R346973 **SampType:** MS Units **µg/L**
SampID: 24041541-082FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		5.00		**255**	250.0	3.000	100.8	85	115	05/09/2024

Batch R346973 **SampType:** MS Units **µg/L**
SampID: 24041541-095FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		1.00		**54.8**	50.00	0	109.6	85	115	05/08/2024

Batch R346973 **SampType:** MSD Units **µg/L** RPD Limit **10**
SampID: 24041541-095FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium, Hexavalent		1.00		**51.7**	50.00	0	103.4	54.80	5.82	05/08/2024

Batch R346973 **SampType:** MS Units **µg/L**
SampID: 24041541-101FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		1.00		**54.9**	50.00	0.6000	108.6	85	115	05/08/2024

Batch R346973 **SampType:** MS Units **mg/L**
SampID: 24050605-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent	*	0.0010		**0.0548**	0.0500	0.001500	106.6	85	115	05/08/2024

Batch R346973 **SampType:** MS Units **mg/L**
SampID: 24050663-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0532**	0.0500	0	106.4	85	115	05/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9012A (TOTAL)

Batch 222268 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240430 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	05/01/2024

Batch 222268 **SampType:** LCS Units **mg/L**
SampID: LCS 240430 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	102.8	90	110	05/01/2024

Batch 222333 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240501 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	05/02/2024

Batch 222333 **SampType:** LCS Units **mg/L**
SampID: LCS 240501 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	103.9	90	110	05/02/2024

Batch 222333 **SampType:** MS Units **mg/L**
SampID: 24050044-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.025**	0.0250	0.002715	87.4	90	110	05/02/2024

Batch 222333 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050044-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	S	**0.024**	0.0250	0.002715	85.4	0.02456	2.06	05/02/2024

Batch 222401 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240502 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	05/03/2024

Batch 222401 **SampType:** LCS Units **mg/L**
SampID: LCS2 240502 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	99.6	90	110	05/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9012A (TOTAL)

Batch 222402 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240502 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	05/03/2024

Batch 222402 **SampType:** LCS Units **mg/L**
SampID: LCS 240502 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	96.8	90	110	05/03/2024

Batch 222402 **SampType:** MS Units **µg/L**
SampID: 24050135-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		5.00	S	**20.0**	25.00	0	80.0	90	110	05/03/2024

Batch 222402 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24050135-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		5.00	S	**18.6**	25.00	0	74.3	20.00	7.41	05/03/2024

Batch 222402 **SampType:** MS Units **mg/L**
SampID: 24050189-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.133**	0.1250	0.009825	98.9	90	110	05/03/2024

Batch 222402 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050189-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.135**	0.1250	0.009825	100.4	0.1334	1.41	05/03/2024

Batch 222452 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240503 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	05/06/2024

Batch 222452 **SampType:** LCS Units **mg/L**
SampID: LCS 240503 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	101.3	90	110	05/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9012A (TOTAL)

Batch 222452 **SampType:** MS Units **mg/L**
SampID: 24050175-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.500	S	**2.47**	0.0250	2.491	-98.3	90	110	05/08/2024

Batch 222452 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050175-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.500	S	**2.54**	0.0250	2.491	207.7	2.466	3.05	05/08/2024

Batch 222452 **SampType:** MS Units **mg/L**
SampID: 24050260-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.029**	0.0250	0.004480	98.5	90	110	05/06/2024

Batch 222452 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050260-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.004480	95.0	0.02911	3.03	05/06/2024

Batch 222453 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240503 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	05/06/2024

Batch 222453 **SampType:** LCS Units **mg/L**
SampID: LCS 240503 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	103.7	90	110	05/06/2024

Batch 222453 **SampType:** MS Units **mg/L**
SampID: 24041541-040EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.012**	0.0250	0	46.7	75	125	05/06/2024

Batch 222453 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-040EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	JS	**0.004**	0.0250	0	17.1	0.01166	0.00	05/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9012A (TOTAL)

Batch 222564 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240506 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	05/07/2024

Batch 222564 **SampType:** LCS Units **mg/L**
SampID: LCS 240506 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	100.6	90	110	05/07/2024

Batch 222564 **SampType:** MS Units **mg/L**
SampID: 24041541-009HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	102.6	75	125	05/07/2024

Batch 222564 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-009HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	106.0	0.02564	3.28	05/07/2024

Batch 222628 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240507 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	05/08/2024

Batch 222628 **SampType:** LCS Units **mg/L**
SampID: LCS 240507 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.028**	0.0250	0	111.1	90	110	05/08/2024

Batch 222628 **SampType:** LCS Units **mg/L**
SampID: LCS2 240507 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.028**	0.0250	0	112.5	90	110	05/09/2024

Batch 222628 **SampType:** MS Units **mg/L**
SampID: 24050451-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	106.7	75	125	05/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9012A (TOTAL)

Batch 222628 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050451-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.2	0.02668	5.31	05/08/2024

Batch 222628 **SampType:** MS Units **mg/L**
SampID: 24050451-006DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.4	75	125	05/08/2024

Batch 222628 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050451-006DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0	110.0	0.02510	9.14	05/08/2024

Batch 222698 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240508 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	05/09/2024

Batch 222698 **SampType:** LCS Units **mg/L**
SampID: LCS 240508 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	108.7	90	110	05/09/2024

Batch 222698 **SampType:** MS Units **mg/L**
SampID: 24050536-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	94.5	90	110	05/09/2024

Batch 222698 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050536-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	S	**0.020**	0.0250	0	81.4	0.02362	14.89	05/09/2024

Batch 222815 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240510 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	05/14/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9012A (TOTAL)

Batch 222815 **SampType:** LCS Units **mg/L**
SampID: LCS 240510 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	99.3	90	110	05/14/2024

Batch 222815 **SampType:** MS Units **mg/L**
SampID: 24050830-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.133**	0.1250	0.01432	95.2	90	110	05/14/2024

Batch 222815 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050830-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.140**	0.1250	0.01432	100.7	0.1334	4.97	05/14/2024

SW-846 9036 (DISSOLVED)

Batch R346635 **SampType:** MS Units **mg/L**
SampID: 24041541-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**68**	40.00	31.35	92.8	85	115	05/02/2024

Batch R346635 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-031BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**69**	40.00	31.35	95.3	68.46	1.48	05/02/2024

Batch R346635 **SampType:** MS Units **mg/L**
SampID: 24042088-010CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**27**	20.00	8.280	95.1	85	115	05/01/2024

Batch R346635 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042088-010CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**27**	20.00	8.280	95.8	27.30	0.48	05/01/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

Batch R346635 **SampType:** MS Units **mg/L**
SampID: 24042186-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**49**	20.00	35.56	66.5	85	115	05/01/2024

Batch R346635 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042186-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**49**	20.00	35.56	66.8	48.86	0.12	05/01/2024

Batch R346635 **SampType:** MS Units **mg/L**
SampID: 24042262-003FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**74**	40.00	34.96	98.4	85	115	05/01/2024

Batch R346635 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042262-003FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**74**	40.00	34.96	97.0	74.30	0.76	05/01/2024

Batch R346635 **SampType:** MS Units **mg/L**
SampID: 24042262-006FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**208**	100.0	115.6	92.0	85	115	05/01/2024

Batch R346635 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042262-006FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**206**	100.0	115.6	90.8	207.6	0.57	05/01/2024

Batch R346706 **SampType:** MS Units **mg/L**
SampID: 24041541-010FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	SE	**107**	40.00	79.07	70.6	85	115	05/02/2024

Batch R346706 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-010FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	SE	**109**	40.00	79.07	75.8	107.3	1.93	05/02/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

Batch R346706 **SampType:** MS Units **mg/L**
SampID: 24041541-090FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**97**	40.00	60.50	92.2	85	115	05/03/2024

Batch R346706 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-090FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**98**	40.00	60.50	93.3	97.39	0.42	05/03/2024

Batch R346843 **SampType:** MS Units **mg/L**
SampID: 24041541-007FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**207**	100.0	112.8	94.2	85	115	05/07/2024

Batch R346843 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-007FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**215**	100.0	112.8	102.4	207.1	3.85	05/07/2024

Batch R346843 **SampType:** MS Units **mg/L**
SampID: 24041541-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**175**	100.0	84.53	90.4	85	115	05/06/2024

Batch R346843 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**178**	100.0	84.53	93.6	174.9	1.85	05/06/2024

Batch R346843 **SampType:** MS Units **mg/L**
SampID: 24041541-045BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**898**	400.0	516.5	95.3	85	115	05/06/2024

Batch R346843 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-045BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**916**	400.0	516.5	99.9	897.5	2.04	05/06/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

Batch R346843 **SampType:** MS Units **mg/L**
SampID: 24042163-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**36**	20.00	17.40	91.8	90	110	05/06/2024

Batch R346843 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042163-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**36**	20.00	17.40	95.4	35.76	1.97	05/06/2024

Batch R346843 **SampType:** MS Units **mg/L**
SampID: 24050031-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**19**	20.00	7.640	57.5	85	115	05/07/2024

Batch R346843 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050031-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**20**	20.00	7.640	60.7	19.14	3.29	05/07/2024

Batch R346843 **SampType:** MS Units **mg/L**
SampID: 24050053-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**20**	20.00	9.080	52.1	85	115	05/07/2024

Batch R346843 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050053-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**21**	20.00	9.080	59.6	19.50	7.45	05/07/2024

Batch R346932 **SampType:** MS Units **mg/L**
SampID: 24050138-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**34**	20.00	16.22	90.6	85	115	05/08/2024

Batch R346932 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050138-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**35**	20.00	16.22	92.7	34.33	1.24	05/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

Batch R346932 **SampType:** MS Units **mg/L**
SampID: 24050364-004FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**41**	20.00	22.24	93.3	85	115	05/07/2024

Batch R346932 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050364-004FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**41**	20.00	22.24	94.1	40.90	0.39	05/07/2024

Batch R346932 **SampType:** MS Units **mg/L**
SampID: 24050364-010FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**155**	100.0	64.68	90.1	85	115	05/07/2024

Batch R346932 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050364-010FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**154**	100.0	64.68	89.2	154.8	0.54	05/07/2024

Batch R347057 **SampType:** MS Units **mg/L**
SampID: 24041541-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**206**	100.0	103.7	102.5	85	115	05/09/2024

Batch R347057 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**208**	100.0	103.7	104.7	206.2	1.08	05/09/2024

Batch R347057 **SampType:** MS Units **mg/L**
SampID: 24041541-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**93**	40.00	54.70	96.3	85	115	05/09/2024

Batch R347057 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**95**	40.00	54.70	100.8	93.21	1.94	05/09/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

Batch R347057 **SampType:** MS Units **mg/L**
SampID: 24050451-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**48**	20.00	30.38	86.8	85	115	05/09/2024

Batch R347057 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050451-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**48**	20.00	30.38	89.8	47.73	1.29	05/09/2024

Batch R347057 **SampType:** MS Units **mg/L**
SampID: 24050464-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**237**	100.0	140.4	96.8	85	115	05/09/2024

Batch R347057 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050464-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**242**	100.0	140.4	101.9	237.2	2.09	05/09/2024

Batch R347112 **SampType:** MS Units **mg/L**
SampID: 24050493-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	SE	**53**	20.00	40.00	64.5	90	110	05/10/2024

Batch R347112 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050493-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	SE	**53**	20.00	40.00	65.7	52.90	0.45	05/10/2024

Batch R347112 **SampType:** MS Units **mg/L**
SampID: 24050583-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**220**	100.0	126.8	93.1	85	115	05/10/2024

Batch R347112 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050583-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**225**	100.0	126.8	98.4	219.9	2.40	05/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

Batch R347268 **SampType:** MS Units **mg/L**
SampID: 24050001-010CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**241**	100.0	141.6	99.2	85	115	05/14/2024

Batch R347268 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050001-010CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**246**	100.0	141.6	103.9	240.8	1.91	05/14/2024

Batch R347268 **SampType:** MS Units **mg/L**
SampID: 24050646-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**49**	20.00	30.07	93.4	90	110	05/14/2024

Batch R347268 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050646-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**48**	20.00	30.07	91.5	48.75	0.78	05/14/2024

Batch R347372 **SampType:** MS Units **mg/L**
SampID: 24050819-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**42**	20.00	23.20	94.0	90	110	05/16/2024

Batch R347372 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050819-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**43**	20.00	23.20	99.1	41.99	2.42	05/16/2024

Batch R347512 **SampType:** MS Units **mg/L**
SampID: 24050887-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**178**	100.0	87.25	90.9	85	115	05/17/2024

Batch R347512 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050887-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**187**	100.0	87.25	99.5	178.2	4.73	05/17/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

Batch R347512 **SampType:** MS Units **mg/L**
SampID: 24050907-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**29**	20.00	13.10	81.6	85	115	05/17/2024

Batch R347512 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050907-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**30**	20.00	13.10	83.3	29.41	1.18	05/17/2024

Batch R347512 **SampType:** MS Units **mg/L**
SampID: 24050975-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**199**	100.0	104.8	94.2	85	115	05/17/2024

Batch R347512 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050975-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**199**	100.0	104.8	94.6	199.0	0.22	05/17/2024

Batch R347512 **SampType:** MS Units **mg/L**
SampID: 24050976-003FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	E	**264**	100.0	166.4	98.0	85	115	05/17/2024

Batch R347512 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050976-003FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	E	**260**	100.0	166.4	93.8	264.5	1.64	05/17/2024

Batch R347512 **SampType:** MS Units **mg/L**
SampID: 24050976-007FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**213**	100.0	118.0	95.1	85	115	05/17/2024

Batch R347512 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050976-007FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**221**	100.0	118.0	102.7	213.1	3.52	05/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9036 (DISSOLVED)

Batch R347512 **SampType:** MS Units **mg/L**
SampID: 24050979-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**31**	20.00	14.35	83.3	85	115	05/17/2024

Batch R347512 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050979-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**32**	20.00	14.35	86.2	31.01	1.82	05/17/2024

SW-846 9036 (TOTAL)

Batch R346635 **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	05/01/2024

Batch R346635 **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	90.2	90	110	05/01/2024

Batch R346635 **SampType:** MS Units **mg/L**
SampID: 24041541-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**66**	40.00	31.81	86.2	85	115	05/02/2024

Batch R346635 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**68**	40.00	31.81	89.4	66.31	1.87	05/02/2024

Batch R346635 **SampType:** MS Units **mg/L**
SampID: 24042088-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**23**	20.00	0	116.9	85	115	05/01/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9036 (TOTAL)

Batch R346635 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042088-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**23**	20.00	0	116.6	23.38	0.21	05/01/2024

Batch R346635 **SampType:** MS Units **mg/L**
SampID: 24042193-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**41**	20.00	23.14	89.1	85	115	05/01/2024

Batch R346635 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042193-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**41**	20.00	23.14	91.4	40.96	1.12	05/01/2024

Batch R346635 **SampType:** MS Units **mg/L**
SampID: 24042357-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**50**	20.00	37.08	62.4	85	115	05/02/2024

Batch R346635 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042357-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	SE	**50**	20.00	37.08	66.8	49.57	1.74	05/02/2024

Batch R346635 **SampType:** MS Units **mg/L**
SampID: 24042384-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**24**	20.00	6.850	86.4	90	110	05/01/2024

Batch R346635 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042384-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**25**	20.00	6.850	91.8	24.13	4.34	05/01/2024

Batch R346706 **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	05/02/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9036 (TOTAL)

Batch R346706 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	96.9	90	110	05/02/2024

Batch R346706 **SampType:** MS Units **mg/L**
SampID: 24041541-033AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**278**	200.0	105.3	86.4	85	115	05/03/2024

Batch R346706 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-033AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**292**	200.0	105.3	93.2	278.1	4.74	05/03/2024

Batch R346706 **SampType:** MS Units **mg/L**
SampID: 24042186-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	101.8	85	115	05/02/2024

Batch R346706 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042186-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**21**	20.00	0	106.2	20.35	4.28	05/02/2024

Batch R346706 **SampType:** MS Units **mg/L**
SampID: 24042406-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**39**	20.00	18.04	104.0	85	115	05/02/2024

Batch R346706 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042406-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**39**	20.00	18.04	105.2	38.83	0.67	05/02/2024

Batch R346706 **SampType:** MS Units **mg/L**
SampID: 24042406-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**793**	400.0	392.1	100.1	85	115	05/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9036 (TOTAL)

Batch R346706 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042406-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**804**	400.0	392.1	102.9	792.6	1.41	05/02/2024

Batch R346706 **SampType:** MS Units **mg/L**
SampID: 24042406-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**31**	20.00	12.12	95.2	85	115	05/02/2024

Batch R346706 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042406-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**32**	20.00	12.12	98.6	31.17	2.13	05/02/2024

Batch R346843 **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	05/06/2024

Batch R346843 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**20**	20.00	0	98.0	90	110	05/06/2024

Batch R346843 **SampType:** MS Units **mg/L**
SampID: 24041541-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**176**	100.0	80.06	95.9	85	115	05/06/2024

Batch R346843 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**186**	100.0	80.06	105.6	176.0	5.36	05/06/2024

Batch R346843 **SampType:** MS Units **mg/L**
SampID: 24041541-045AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**874**	400.0	477.2	99.2	85	115	05/06/2024

Teklab, Inc.
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Quality Control Results

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Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9036 (TOTAL)

Batch R346843 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-045AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**895**	400.0	477.2	104.3	874.1	2.32	05/06/2024

Batch R346843 **SampType:** MS Units **mg/L**
SampID: 24042163-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**36**	20.00	17.35	92.2	90	110	05/06/2024

Batch R346843 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24042163-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**36**	20.00	17.35	94.6	35.79	1.30	05/06/2024

Batch R346843 **SampType:** MS Units **mg/L**
SampID: 24050031-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**19**	20.00	7.900	57.1	85	115	05/07/2024

Batch R346843 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050031-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**20**	20.00	7.900	58.4	19.32	1.39	05/07/2024

Batch R346843 **SampType:** MS Units **mg/L**
SampID: 24050053-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**21**	20.00	9.700	54.8	85	115	05/07/2024

Batch R346843 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050053-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**20**	20.00	9.700	53.0	20.66	1.76	05/07/2024

Batch R346932 **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	05/07/2024

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Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9036 (TOTAL)

Batch R346932 **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	98.1	90	110	05/07/2024

Batch R346932 **SampType:** MS Units **mg/L**
SampID: 24041541-007EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**212**	100.0	121.6	90.8	85	115	05/07/2024

Batch R346932 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-007EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**215**	100.0	121.6	93.6	212.5	1.28	05/07/2024

Batch R346932 **SampType:** MS Units **mg/L**
SampID: 24050139-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**36**	20.00	18.62	89.0	85	115	05/07/2024

Batch R346932 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050139-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**37**	20.00	18.62	91.8	36.42	1.55	05/07/2024

Batch R346932 **SampType:** MS Units **mg/L**
SampID: 24050140-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**48**	20.00	29.22	93.2	85	115	05/08/2024

Batch R346932 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050140-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**48**	20.00	29.22	95.6	47.86	1.00	05/08/2024

Batch R346932 **SampType:** MS Units **mg/L**
SampID: 24050369-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**215**	100.0	121.8	92.7	85	115	05/07/2024

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Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9036 (TOTAL)

Batch R346932 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050369-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**214**	100.0	121.8	91.8	214.6	0.43	05/07/2024

Batch R347057 **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	05/09/2024

Batch R347057 **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	100.8	90	110	05/09/2024

Batch R347057 **SampType:** MS Units **mg/L**
SampID: 24041541-027AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	S	**195**	100.0	110.2	84.5	85	115	05/10/2024

Batch R347057 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-027AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**200**	100.0	110.2	90.2	194.7	2.89	05/10/2024

Batch R347057 **SampType:** MS Units **mg/L**
SampID: 24041541-042AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**92**	40.00	55.55	91.7	85	115	05/10/2024

Batch R347057 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-042AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**94**	40.00	55.55	97.1	92.23	2.30	05/10/2024

Batch R347057 **SampType:** MS Units **mg/L**
SampID: 24050131-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200	SEH	**1040**	400.0	712.8	82.6	90	110	05/10/2024

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Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9036 (TOTAL)

Batch R347057 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050131-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200	EH	**1080**	400.0	712.8	91.2	1043	3.24	05/10/2024

Batch R347057 **SampType:** MS Units **mg/L**
SampID: 24050273-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**43**	20.00	24.34	92.7	85	115	05/09/2024

Batch R347057 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050273-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**43**	20.00	24.34	94.5	42.87	0.86	05/09/2024

Batch R347112 **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	05/10/2024

Batch R347112 **SampType:** MBLK Units **mg/L**
SampID: MBLK-181812

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	05/10/2024

Batch R347112 **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	94.2	90	110	05/10/2024

Batch R347112 **SampType:** MS Units **mg/L**
SampID: 24041541-100AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**333**	200.0	155.1	89.0	85	115	05/11/2024

Batch R347112 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-100AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**336**	200.0	155.1	90.6	333.2	0.95	05/11/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9036 (TOTAL)

Batch R347112 **SampType:** MS Units **mg/L**
SampID: 24050352-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**158**	100.0	66.70	90.8	90	110	05/10/2024

Batch R347112 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050352-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**159**	100.0	66.70	92.4	157.5	1.00	05/10/2024

Batch R347112 **SampType:** MS Units **mg/L**
SampID: 24050482-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**48**	20.00	29.02	94.4	85	115	05/10/2024

Batch R347112 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050482-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**50**	20.00	29.02	103.6	47.89	3.79	05/10/2024

Batch R347112 **SampType:** MS Units **mg/L**
SampID: 24050590-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		5000		**16300**	10000	7151	91.6	90	110	05/10/2024

Batch R347112 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050590-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		5000		**17000**	10000	7151	98.7	16310	4.25	05/10/2024

Batch R347112 **SampType:** MS Units **mg/L**
SampID: 24050891-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	SE	**51**	20.00	40.16	55.6	85	115	05/10/2024

Batch R347112 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050891-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	SE	**51**	20.00	40.16	56.6	51.29	0.39	05/10/2024

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Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9036 (TOTAL)

Batch R347268 **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	05/14/2024

Batch R347268 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**18**	20.00	0	91.4	90	110	05/14/2024

Batch R347268 **SampType:** MS Units **mg/L**
SampID: 24041541-092AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		**963**	400.0	584.2	94.7	85	115	05/14/2024

Batch R347268 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24041541-092AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		200		**959**	400.0	584.2	93.7	962.9	0.42	05/14/2024

Batch R347268 **SampType:** MS Units **mg/L**
SampID: 24050001-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**25**	20.00	10.87	71.7	85	115	05/15/2024

Batch R347268 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050001-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**25**	20.00	10.87	69.2	25.21	1.96	05/15/2024

Batch R347268 **SampType:** MS Units **mg/L**
SampID: 24050002-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**28**	20.00	12.03	80.2	85	115	05/14/2024

Batch R347268 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050002-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**28**	20.00	12.03	80.5	28.07	0.21	05/14/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9036 (TOTAL)

Batch R347268 **SampType:** MS Units **mg/L**
SampID: 24050634-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	S	**56**	40.00	22.50	84.7	85	115	05/15/2024

Batch R347268 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050634-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**58**	40.00	22.50	87.9	56.37	2.26	05/15/2024

Batch R347268 **SampType:** MS Units **mg/L**
SampID: 24050646-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**48**	20.00	30.53	88.0	90	110	05/14/2024

Batch R347268 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050646-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**48**	20.00	30.53	87.8	48.13	0.06	05/14/2024

Batch R347268 **SampType:** MS Units **mg/L**
SampID: 24050795-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**161**	100.0	67.26	94.0	90	110	05/14/2024

Batch R347268 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050795-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**161**	100.0	67.26	93.6	161.2	0.27	05/14/2024

Batch R347268 **SampType:** MS Units **mg/L**
SampID: 24050795-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**154**	100.0	62.59	91.0	90	110	05/14/2024

Batch R347268 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050795-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	S	**150**	100.0	62.59	87.0	153.6	2.67	05/14/2024

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Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
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Batch R347268 **SampType:** MS Units **mg/L**
SampID: 24051090-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**145**	100.0	56.17	88.6	85	115	05/14/2024

Batch R347268 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24051090-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**144**	100.0	56.17	88.2	144.7	0.24	05/14/2024

Batch R347372 **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	05/15/2024

Batch R347372 **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	90.3	90	110	05/15/2024

Batch R347372 **SampType:** MS Units **mg/L**
SampID: 24050788-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**32**	20.00	13.98	89.8	85	115	05/15/2024

Batch R347372 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050788-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**32**	20.00	13.98	91.4	31.94	1.03	05/15/2024

Batch R347372 **SampType:** MS Units **mg/L**
SampID: 24050788-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**329**	200.0	146.5	91.1	85	115	05/16/2024

Batch R347372 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050788-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**331**	200.0	146.5	92.2	328.7	0.65	05/16/2024

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Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
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Batch R347372 **SampType:** MS Units **mg/L**
SampID: 24050819-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**43**	20.00	24.35	91.4	90	110	05/16/2024

Batch R347372 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050819-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**43**	20.00	24.35	93.4	42.64	0.91	05/16/2024

Batch R347372 **SampType:** MS Units **mg/L**
SampID: 24050905-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**39**	20.00	19.90	95.5	85	115	05/15/2024

Batch R347372 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050905-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**40**	20.00	19.90	99.3	39.00	1.93	05/15/2024

Batch R347372 **SampType:** MS Units **mg/L**
SampID: 24050906-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**37**	20.00	17.92	93.6	85	115	05/15/2024

Batch R347372 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050906-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**38**	20.00	17.92	99.2	36.63	3.06	05/15/2024

Batch R347372 **SampType:** MS Units **mg/L**
SampID: 24050906-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**73**	40.00	35.53	94.1	85	115	05/15/2024

Batch R347372 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050906-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**76**	40.00	35.53	100.0	73.17	3.19	05/15/2024

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Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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Batch R347372 **SampType:** MS Units **mg/L**
SampID: 24050906-018AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**86**	40.00	48.86	93.4	85	115	05/15/2024

Batch R347372 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050906-018AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**89**	40.00	48.86	100.1	86.21	3.06	05/15/2024

Batch R347372 **SampType:** MS Units **mg/L**
SampID: 24050906-021AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**25**	20.00	8.010	83.2	85	115	05/15/2024

Batch R347372 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050906-021AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**25**	20.00	8.010	86.5	24.64	2.64	05/15/2024

Batch R347372 **SampType:** MS Units **mg/L**
SampID: 24050906-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**37**	20.00	18.12	93.2	85	115	05/15/2024

Batch R347372 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050906-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**37**	20.00	18.12	96.6	36.77	1.78	05/15/2024

Batch R347372 **SampType:** MS Units **mg/L**
SampID: 24051000-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**45**	20.00	25.83	97.0	85	115	05/16/2024

Batch R347372 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24051000-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**46**	20.00	25.83	101.4	45.24	1.88	05/16/2024

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Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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Batch R347372 **SampType:** MS Units **mg/L**
SampID: 24051000-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**35**	20.00	17.50	89.4	85	115	05/16/2024

Batch R347372 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24051000-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**36**	20.00	17.50	93.0	35.39	2.01	05/16/2024

Batch R347512 **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	05/17/2024

Batch R347512 **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	94.1	90	110	05/17/2024

Batch R347512 **SampType:** MS Units **mg/L**
SampID: 24050907-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**30**	20.00	13.17	84.2	85	115	05/17/2024

Batch R347512 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050907-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**29**	20.00	13.17	81.6	30.01	1.75	05/17/2024

Batch R347512 **SampType:** MS Units **mg/L**
SampID: 24051437-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	SE	**59**	20.00	45.65	68.2	85	115	05/17/2024

Batch R347512 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24051437-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	SE	**59**	20.00	45.65	66.0	59.28	0.71	05/17/2024

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Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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Batch R347237 **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	05/13/2024

Batch R347237 **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	05/13/2024

Batch R347237 **SampType:** MS Units **mg/L**
SampID: 24050001-003IMS

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	3.590	99.6	85	115	05/13/2024

Batch R347237 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050001-003IMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**8.9**	5.000	3.590	106.0	8.570	3.67	05/13/2024

Batch R347237 **SampType:** MS Units **mg/L**
SampID: 24050001-006IMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**9.4**	5.000	4.350	100.2	85	115	05/13/2024

Batch R347237 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050001-006IMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**9.2**	5.000	4.350	97.2	9.360	1.62	05/13/2024

Batch R347237 **SampType:** MS Units **mg/L**
SampID: 24050633-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.3**	5.000	0	105.6	85	115	05/13/2024

Batch R347237 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050633-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.3**	5.000	0	106.2	5.280	0.57	05/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9060A

Batch R347237 **SampType:** MS Units **mg/L**
SampID: 24050633-006DMS

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	0.9700	101.4	85	115	05/13/2024

Batch R347237 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050633-006DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**5.8**	5.000	0.9700	96.4	6.040	4.23	05/13/2024

Batch R347237 **SampType:** MS Units **mg/L**
SampID: 24050906-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.4**	5.000	1.510	97.6	85	115	05/13/2024

Batch R347237 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050906-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.6**	5.000	1.510	102.0	6.390	3.38	05/13/2024

Batch R347237 **SampType:** MS Units **mg/L**
SampID: 24050906-005DMS

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	1.380	96.8	85	115	05/13/2024

Batch R347237 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050906-005DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.3**	5.000	1.380	98.2	6.220	1.12	05/13/2024

Batch R347237 **SampType:** MS Units **mg/L**
SampID: 24050906-020DMS

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	1.410	96.6	85	115	05/13/2024

Batch R347237 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24050906-020DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.1**	5.000	1.410	94.2	6.240	1.94	05/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9060A

Batch R347237 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24050655-008BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0	J	**0.6**				0.7600	0.00	05/13/2024

SW-846 9066 (TOTAL)

Batch R346796 **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	05/03/2024

Batch R346796 **SampType:** LCS Units **mg/L**

SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0	107.1	90	110	05/03/2024

Batch R346796 **SampType:** MS Units **mg/L**

SampID: 24050028-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.055**	0.0500	0	109.6	90	110	05/03/2024

Batch R346796 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24050028-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0	108.5	0.05478	0.95	05/03/2024

Batch R346796 **SampType:** MS Units **mg/L**

SampID: 24050080-002EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.053**	0.0500	0	106.9	90	110	05/03/2024

Batch R346796 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24050080-002EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0	107.2	0.05343	0.35	05/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R346796 **SampType:** MS Units **mg/L**
SampID: 24050186-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.050**	0.0500	0	99.0	90	110	05/03/2024

Batch R346796 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050186-001DMSD

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	0.04951	4.54	05/03/2024

Batch R346796 **SampType:** MS Units **mg/L**
SampID: 24050237-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.071**	0.0500	0.02125	99.1	90	110	05/03/2024

Batch R346796 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050237-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.074**	0.0500	0.02125	105.0	0.07081	4.05	05/03/2024

Batch R347059 **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	05/07/2024

Batch R347059 **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	102.5	90	110	05/07/2024

Batch R347059 **SampType:** MS Units **mg/L**
SampID: 24050334-010AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.025		**0.285**	0.2500	0.02831	102.6	90	110	05/07/2024

Batch R347059 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050334-010AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.025		**0.300**	0.2500	0.02831	108.8	0.2848	5.31	05/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347189 **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	05/13/2024

Batch R347189 **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	103.3	90	110	05/13/2024

Batch R347189 **SampType:** MS Units **mg/L**
SampID: 24050410-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.058**	0.0500	0	115.2	90	110	05/13/2024

Batch R347189 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050410-001GMSD

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	120.1	0.05760	4.18	05/13/2024

Batch R347189 **SampType:** MS Units **mg/L**
SampID: 24050523-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.056**	0.0500	0.003420	104.2	90	110	05/13/2024

Batch R347189 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050523-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.056**	0.0500	0.003420	104.7	0.05552	0.47	05/13/2024

Batch R347189 **SampType:** MS Units **mg/L**
SampID: 24050604-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.057**	0.0500	0.003680	106.4	90	110	05/13/2024

Batch R347189 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050604-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.064**	0.0500	0.003680	121.3	0.05688	12.31	05/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347258 **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	05/14/2024

Batch R347258 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.049**	0.0500	0	98.7	90	110	05/14/2024

Batch R347258 **SampType:** MS Units **mg/L**
SampID: 24050696-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.064**	0.0500	0.01029	107.5	90	110	05/14/2024

Batch R347258 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050696-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.064**	0.0500	0.01029	107.7	0.06402	0.19	05/14/2024

Batch R347258 **SampType:** MS Units **mg/L**
SampID: 24050744-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.100		**1.28**	1.000	0.3356	94.7	90	110	05/14/2024

Batch R347258 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050744-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.100		**1.30**	1.000	0.3356	96.0	1.282	1.02	05/14/2024

Batch R347258 **SampType:** MS Units **mg/L**
SampID: 24050937-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.025		**0.310**	0.2500	0.05270	102.9	90	110	05/14/2024

Batch R347258 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050937-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.025		**0.297**	0.2500	0.05270	97.7	0.3100	4.28	05/14/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347258 **SampType:** MS Units **mg/L**
SampID: 24050943-001HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.010		**0.155**	0.1000	0.04964	105.1	90	110	05/14/2024

Batch R347258 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050943-001HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.010		**0.155**	0.1000	0.04964	105.8	0.1548	0.42	05/14/2024

Batch R347258 **SampType:** MS Units **mg/L**
SampID: 24051058-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.055**	0.0500	0.004460	101.3	90	110	05/14/2024

Batch R347258 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051058-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.057**	0.0500	0.004460	105.2	0.05509	3.50	05/14/2024

Batch R347452 **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	05/16/2024

Batch R347452 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.051**	0.0500	0	101.9	90	110	05/16/2024

Batch R347452 **SampType:** MS Units **µg/L**
SampID: 24041541-042FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**48**	50.00	0	96.8	85	115	05/17/2024

Batch R347452 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24041541-042FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**49**	50.00	0	97.9	48.42	1.09	05/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347452 **SampType:** MS Units µg/L
SampID: 24041541-049FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**50**	50.00	0	100.7	85	115	05/16/2024

Batch R347452 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24041541-049FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**51**	50.00	0	101.1	50.35	0.38	05/16/2024

Batch R347452 **SampType:** MS Units µg/L
SampID: 24050001-012HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**51**	50.00	0	102.3	85	115	05/16/2024

Batch R347452 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24050001-012HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**51**	50.00	0	102.7	51.14	0.41	05/16/2024

Batch R347452 **SampType:** MS Units µg/L
SampID: 24050887-008GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**52**	50.00	0	103.5	85	115	05/16/2024

Batch R347452 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24050887-008GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**52**	50.00	0	103.4	51.77	0.14	05/16/2024

Batch R347452 **SampType:** MS Units µg/L
SampID: 24050975-003FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**50**	50.00	0	100.2	85	115	05/16/2024

Batch R347452 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24050975-003FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**51**	50.00	0	101.6	50.11	1.39	05/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347452 **SampType:** MS Units **µg/L**
SampID: 24050976-006KMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**51**	50.00	0	101.9	85	115	05/16/2024

Batch R347452 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24050976-006KMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**49**	50.00	0	98.4	50.94	3.48	05/16/2024

Batch R347452 **SampType:** MS Units **mg/L**
SampID: 24051232-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.053**	0.0500	0	105.9	90	110	05/16/2024

Batch R347452 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051232-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.051**	0.0500	0	101.1	0.05297	4.70	05/16/2024

SW-846 9214 (DISSOLVED)

Batch R346823 **SampType:** MS Units **mg/L**
SampID: 24050007-008FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.41**	2.000	0.2910	105.8	75	125	05/07/2024

Batch R346823 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050007-008FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.31**	2.000	0.2910	101.0	2.408	4.07	05/07/2024

Batch R346966 **SampType:** MS Units **mg/L**
SampID: 24041541-015FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.60**	2.000	0.4300	108.4	75	125	05/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9214 (DISSOLVED)

Batch R346966 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-015FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.57**	2.000	0.4300	107.2	2.597	0.89	05/08/2024

Batch R347102 **SampType:** MS Units **mg/L**
SampID: 24050364-006FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.28**	2.000	0.4910	89.3	75	125	05/10/2024

Batch R347102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050364-006FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.26**	2.000	0.4910	88.7	2.277	0.57	05/10/2024

Batch R347147 **SampType:** MS Units **mg/L**
SampID: 24041541-034BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.14**	2.000	0.3580	89.2	75	125	05/13/2024

Batch R347147 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-034BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**1.86**	2.000	0.3580	75.2	2.142	13.99	05/13/2024

Batch R347245 **SampType:** MS Units **mg/L**
SampID: 24041541-017FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.05**	2.000	0.2040	92.3	75	125	05/14/2024

Batch R347245 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-017FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.25**	2.000	0.2040	102.2	2.050	9.26	05/14/2024

Batch R347245 **SampType:** MS Units **mg/L**
SampID: 24041541-086BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.17**	2.000	0.3040	93.1	75	125	05/14/2024

Teklab, Inc.
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Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9214 (DISSOLVED)

Batch R347245 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-086BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.33**	2.000	0.3040	101.2	2.166	7.25	05/14/2024

Batch R347245 **SampType:** MS Units **mg/L**
SampID: 24041541-097BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.09**	2.000	0.2960	89.9	75	125	05/14/2024

Batch R347245 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-097BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.19**	2.000	0.2960	94.7	2.094	4.48	05/14/2024

Batch R347401 **SampType:** MS Units **mg/L**
SampID: 24041541-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.90**	2.000	0.8760	101.0	75	125	05/16/2024

Batch R347401 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.96**	2.000	0.8760	104.0	2.896	2.05	05/16/2024

Batch R347401 **SampType:** MS Units **mg/L**
SampID: 24050887-004CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.10**	2.000	0.1690	96.8	75	125	05/16/2024

Batch R347401 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050887-004CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.18**	2.000	0.1690	100.4	2.104	3.41	05/16/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9214 (TOTAL)

Batch R346823 **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	05/06/2024

Batch R346823 **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		**0.95**	1.000	0	95.0	90	110	05/06/2024

Batch R346823 **SampType:** MS Units **mg/L**
SampID: 24041541-033AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.37**	2.000	0.3940	98.9	75	125	05/06/2024

Batch R346823 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-033AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.47**	2.000	0.3940	103.9	2.372	4.13	05/06/2024

Batch R346823 **SampType:** MS Units **mg/L**
SampID: 24041541-061AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.53**	2.000	0.4850	102.2	75	125	05/06/2024

Batch R346823 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-061AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.62**	2.000	0.4850	106.6	2.528	3.42	05/06/2024

Batch R346823 **SampType:** MS Units **mg/L**
SampID: 24041541-081AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.60**	2.000	0.6420	98.0	75	125	05/06/2024

Batch R346823 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-081AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.68**	2.000	0.6420	101.7	2.601	2.81	05/06/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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Batch R346823 **SampType:** MS Units **mg/L**
SampID: 24042405-009AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10	H	**2.45**	2.000	0.4690	99.0	75	125	05/07/2024

Batch R346823 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24042405-009AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10	H	**2.44**	2.000	0.4690	98.4	2.449	0.45	05/07/2024

Batch R346823 **SampType:** MS Units **mg/L**
SampID: 24050131-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10	H	**2.08**	2.000	0.08400	99.7	75	125	05/07/2024

Batch R346823 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050131-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10	H	**2.18**	2.000	0.08400	104.7	2.078	4.70	05/07/2024

Batch R346966 **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	05/08/2024

Batch R346966 **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		**1.07**	1.000	0	106.7	90	110	05/08/2024

Batch R347102 **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	05/10/2024

Batch R347102 **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		**0.99**	1.000	0	99.3	90	110	05/10/2024

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Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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Batch R347102 **SampType:** MS Units **mg/L**
SampID: 24050273-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.90**	2.000	0.2030	85.0	75	125	05/10/2024

Batch R347102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050273-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**1.93**	2.000	0.2030	86.3	1.903	1.36	05/10/2024

Batch R347102 **SampType:** MS Units **mg/L**
SampID: 24050273-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**1.67**	2.000	0	83.5	75	125	05/10/2024

Batch R347102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050273-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**1.54**	2.000	0	77.0	1.670	8.03	05/10/2024

Batch R347102 **SampType:** MS Units **mg/L**
SampID: 24050362-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.11**	2.000	0.2380	93.5	75	125	05/10/2024

Batch R347102 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050362-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.15**	2.000	0.2380	95.5	2.108	1.88	05/10/2024

Batch R347102 **SampType:** DUP Units **mg/L** RPD Limit **15**
SampID: 24042193-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10	R	**0.16**				0	200.00	05/10/2024

Batch R347102 **SampType:** DUP Units **mg/L** RPD Limit **15**
SampID: 24042193-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10	J	**0.06**				0	0.00	05/10/2024

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Quality Control Results

Client: Ramboll
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Client Project: COF-24Q2
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Batch R347102 **SampType:** DUP Units **mg/L** RPD Limit **15**
SampID: 24042194-006ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10	R	**0.23**				0	200.00	05/10/2024

Batch R347147 **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	05/13/2024

Batch R347147 **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	93.2	90	110	05/13/2024

Batch R347147 **SampType:** MS Units **mg/L**
SampID: 24041541-042AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.11**	2.000	0.3630	87.6	75	125	05/13/2024

Batch R347147 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-042AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.03**	2.000	0.3630	83.6	2.114	3.86	05/13/2024

Batch R347147 **SampType:** MS Units **mg/L**
SampID: 24041541-050AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.30**	2.000	0.3070	99.6	75	125	05/13/2024

Batch R347147 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-050AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.04**	2.000	0.3070	86.4	2.299	12.18	05/13/2024

Batch R347147 **SampType:** MS Units **mg/L**
SampID: 24050482-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.05**	2.000	0.1210	96.3	75	125	05/13/2024

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Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
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Batch R347147 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050482-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.14**	2.000	0.1210	101.1	2.046	4.63	05/13/2024

Batch R347147 **SampType:** MS Units **mg/L**
SampID: 24050777-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.62**	2.000	0.4570	108.2	75	125	05/13/2024

Batch R347147 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050777-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.59**	2.000	0.4570	106.7	2.621	1.15	05/13/2024

Batch R347245 **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	05/14/2024

Batch R347245 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**0.94**	1.000	0	94.3	90	110	05/14/2024

Batch R347245 **SampType:** MS Units **mg/L**
SampID: 24041541-007EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.14**	2.000	0.2960	92.2	75	125	05/14/2024

Batch R347245 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-007EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.31**	2.000	0.2960	100.9	2.140	7.81	05/14/2024

Batch R347245 **SampType:** MS Units **mg/L**
SampID: 24041541-063AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.09**	2.000	0.3540	86.9	75	125	05/14/2024

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Quality Control Results

Client: Ramboll
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Batch R347245 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-063AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.08**	2.000	0.3540	86.2	2.092	0.72	05/14/2024

Batch R347245 **SampType:** MS Units **mg/L**
SampID: 24041541-075AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.08**	2.000	0.2980	89.0	75	125	05/14/2024

Batch R347245 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-075AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.15**	2.000	0.2980	92.5	2.079	3.26	05/14/2024

Batch R347245 **SampType:** MS Units **mg/L**
SampID: 24041541-105AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.19**	2.000	0.3680	91.3	75	125	05/14/2024

Batch R347245 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-105AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.10**	2.000	0.3680	86.6	2.194	4.38	05/14/2024

Batch R347245 **SampType:** MS Units **mg/L**
SampID: 24050590-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		1.00		**87.0**	20.00	66.59	101.9	75	125	05/14/2024

Batch R347245 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050590-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		1.00		**89.0**	20.00	66.59	112.1	86.97	2.32	05/14/2024

Batch R347401 **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	05/16/2024

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Batch R347401 **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		**0.96**	1.000	0	96.1	90	110	05/16/2024

Batch R347401 **SampType:** MS Units **mg/L**
SampID: 24050734-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.82**	2.000	0.6570	108.2	75	125	05/16/2024

Batch R347401 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050734-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.79**	2.000	0.6570	106.6	2.821	1.10	05/16/2024

Batch R347401 **SampType:** MS Units **mg/L**
SampID: 24050906-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.29**	2.000	0.1310	108.1	75	125	05/16/2024

Batch R347401 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050906-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.22**	2.000	0.1310	104.4	2.293	3.28	05/16/2024

Batch R347401 **SampType:** MS Units **mg/L**
SampID: 24050906-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.09**	2.000	0.1160	98.6	75	125	05/16/2024

Batch R347401 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050906-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.20**	2.000	0.1160	104.0	2.087	5.09	05/16/2024

Batch R347401 **SampType:** MS Units **mg/L**
SampID: 24050906-018AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.18**	2.000	0.1550	101.0	75	125	05/16/2024

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Client: Ramboll
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Batch R347401 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050906-018AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.10**	2.000	0.1550	97.3	2.175	3.46	05/16/2024

Batch R347401 **SampType:** MS Units **mg/L**
SampID: 24050906-027AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.15**	2.000	0.1480	100.2	75	125	05/16/2024

Batch R347401 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050906-027AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.20**	2.000	0.1480	102.6	2.151	2.30	05/16/2024

Batch R347401 **SampType:** MS Units **mg/L**
SampID: 24050906-035AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.11**	2.000	0.1490	98.0	75	125	05/16/2024

Batch R347401 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050906-035AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.13**	2.000	0.1490	98.8	2.108	0.85	05/16/2024

Batch R347401 **SampType:** MS Units **mg/L**
SampID: 24050906-041AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.16**	2.000	0.2220	96.9	75	125	05/16/2024

Batch R347401 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050906-041AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.17**	2.000	0.2220	97.4	2.160	0.46	05/16/2024

Batch R347401 **SampType:** MS Units **mg/L**
SampID: 24051000-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**3.46**	2.000	1.421	101.9	75	125	05/16/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9214 (TOTAL)

Batch R347401 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051000-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**3.63**	2.000	1.421	110.4	3.459	4.80	05/16/2024

Batch R347401 **SampType:** MS Units **mg/L**
SampID: 24051000-017AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.46**	2.000	0.4510	100.2	75	125	05/16/2024

Batch R347401 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051000-017AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.39**	2.000	0.4510	97.2	2.456	2.56	05/16/2024

SW-846 9251 (DISSOLVED)

Batch R346639 **SampType:** MS Units **mg/L**
SampID: 24041541-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	3.840	99.9	85	115	05/02/2024

Batch R346639 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	3.840	101.1	23.82	1.00	05/02/2024

Batch R346639 **SampType:** MS Units **mg/L**
SampID: 24041541-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**75**	40.00	35.91	97.6	85	115	05/02/2024

Batch R346639 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-031BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**76**	40.00	35.91	101.0	74.96	1.81	05/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9251 (DISSOLVED)

Batch R346639 **SampType:** MS Units **mg/L**
SampID: 24042262-003FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**78**	40.00	40.01	95.0	85	115	05/01/2024

Batch R346639 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24042262-003FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**75**	40.00	40.01	88.2	78.03	3.56	05/01/2024

Batch R346639 **SampType:** MS Units **mg/L**
SampID: 24042262-006FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**154**	100.0	62.72	91.6	85	115	05/01/2024

Batch R346639 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24042262-006FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**150**	100.0	62.72	87.4	154.3	2.80	05/01/2024

Batch R346714 **SampType:** MS Units **mg/L**
SampID: 24041541-010FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	S	**70**	40.00	36.49	83.8	85	115	05/02/2024

Batch R346714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-010FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**71**	40.00	36.49	87.2	70.01	1.90	05/02/2024

Batch R346714 **SampType:** MS Units **mg/L**
SampID: 24041541-090FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**69**	40.00	33.46	88.6	85	115	05/03/2024

Batch R346714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-090FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**70**	40.00	33.46	90.4	68.91	1.03	05/03/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (DISSOLVED)

Batch R346846 **SampType:** MS Units **mg/L**
SampID: 24041541-007FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**59**	20.00	37.73	106.1	85	115	05/06/2024

Batch R346846 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-007FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**59**	20.00	37.73	107.9	58.95	0.61	05/06/2024

Batch R346935 **SampType:** MS Units **mg/L**
SampID: 24050138-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	3.690	99.2	85	115	05/08/2024

Batch R346935 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050138-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	3.690	100.2	23.54	0.76	05/08/2024

Batch R346935 **SampType:** MS Units **mg/L**
SampID: 24050364-004FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**39**	20.00	21.34	90.0	85	115	05/07/2024

Batch R346935 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050364-004FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**41**	20.00	21.34	96.6	39.35	3.30	05/07/2024

Batch R346935 **SampType:** MS Units **mg/L**
SampID: 24050364-010FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	11.89	92.0	85	115	05/07/2024

Batch R346935 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050364-010FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	11.89	92.2	30.30	0.10	05/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9251 (DISSOLVED)

Batch R347069 **SampType:** MS Units **mg/L**
SampID: 24041541-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**156**	100.0	58.49	97.5	85	115	05/09/2024

Batch R347069 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**157**	100.0	58.49	98.4	156.0	0.56	05/09/2024

Batch R347069 **SampType:** MS Units **mg/L**
SampID: 24041541-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**31**	20.00	12.60	93.7	85	115	05/09/2024

Batch R347069 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**31**	20.00	12.60	93.0	31.33	0.42	05/09/2024

Batch R347069 **SampType:** MS Units **mg/L**
SampID: 24050451-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	11.11	93.0	85	115	05/09/2024

Batch R347069 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050451-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**30**	20.00	11.11	92.6	29.70	0.24	05/09/2024

Batch R347069 **SampType:** MS Units **mg/L**
SampID: 24050464-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**35**	20.00	17.39	89.8	85	115	05/09/2024

Batch R347069 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050464-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**35**	20.00	17.39	89.5	35.36	0.20	05/09/2024

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Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (DISSOLVED)

Batch R347114 **SampType:** MS Units **mg/L**
SampID: 24050493-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**25**	20.00	4.770	100.7	85	115	05/10/2024

Batch R347114 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050493-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**25**	20.00	4.770	101.0	24.90	0.24	05/10/2024

Batch R347114 **SampType:** MS Units **mg/L**
SampID: 24050583-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**150**	100.0	58.62	91.0	85	115	05/10/2024

Batch R347114 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050583-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**154**	100.0	58.62	95.6	149.6	3.02	05/10/2024

Batch R347274 **SampType:** MS Units **mg/L**
SampID: 24050001-010CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**131**	100.0	33.49	97.5	85	115	05/14/2024

Batch R347274 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050001-010CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**130**	100.0	33.49	97.0	131.0	0.35	05/14/2024

Batch R347274 **SampType:** MS Units **mg/L**
SampID: 24050646-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**23**	20.00	3.980	97.1	85	115	05/14/2024

Batch R347274 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050646-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**23**	20.00	3.980	96.2	23.40	0.82	05/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9251 (DISSOLVED)

Batch R347380 **SampType:** MS Units **mg/L**
SampID: 24050819-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**26**	20.00	7.850	92.2	85	115	05/16/2024

Batch R347380 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050819-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**27**	20.00	7.850	93.6	26.29	1.02	05/16/2024

Batch R347548 **SampType:** MS Units **mg/L**
SampID: 24050887-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**117**	100.0	22.03	94.9	85	115	05/17/2024

Batch R347548 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050887-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**124**	100.0	22.03	102.3	117.0	6.09	05/17/2024

Batch R347548 **SampType:** MS Units **mg/L**
SampID: 24050907-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**27**	20.00	8.530	92.4	85	115	05/17/2024

Batch R347548 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050907-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**27**	20.00	8.530	91.6	27.00	0.56	05/17/2024

Batch R347548 **SampType:** MS Units **mg/L**
SampID: 24050975-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**172**	100.0	82.01	89.7	85	115	05/17/2024

Batch R347548 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050975-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**171**	100.0	82.01	89.2	171.7	0.29	05/17/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (DISSOLVED)

Batch R347548 **SampType:** MS Units **mg/L**
SampID: 24050976-003FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**207**	100.0	114.3	92.5	85	115	05/17/2024

Batch R347548 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050976-003FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**205**	100.0	114.3	90.9	206.8	0.78	05/17/2024

Batch R347548 **SampType:** MS Units **mg/L**
SampID: 24050976-007FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**161**	100.0	68.04	92.6	85	115	05/17/2024

Batch R347548 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050976-007FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**162**	100.0	68.04	94.3	160.6	1.07	05/17/2024

Batch R347548 **SampType:** MS Units **mg/L**
SampID: 24050979-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	1.050	95.8	85	115	05/17/2024

Batch R347548 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050979-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	1.050	96.4	20.22	0.49	05/17/2024

SW-846 9251 (TOTAL)

Batch R346639 **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	05/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R346639 **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		**18**	20.00	0	91.0	90	110	05/01/2024

Batch R346639 **SampType:** MS Units **mg/L**
SampID: 24041541-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	4.470	99.8	85	115	05/02/2024

Batch R346639 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	4.470	99.9	24.42	0.12	05/02/2024

Batch R346639 **SampType:** MS Units **mg/L**
SampID: 24041541-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**75**	40.00	37.23	95.6	85	115	05/02/2024

Batch R346639 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**75**	40.00	37.23	95.5	75.47	0.04	05/02/2024

Batch R346639 **SampType:** MS Units **mg/L**
SampID: 24042193-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	4.460	95.4	85	115	05/01/2024

Batch R346639 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24042193-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	4.460	96.8	23.54	1.22	05/01/2024

Batch R346639 **SampType:** MS Units **mg/L**
SampID: 24042357-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	SE	**90**	20.00	43.14	232.6	85	115	05/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9251 (TOTAL)

Batch R346639 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24042357-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	SE	**90**	20.00	43.14	234.6	89.65	0.46	05/02/2024

Batch R346639 **SampType:** MS Units **mg/L**
SampID: 24042384-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	4.650	96.7	85	115	05/01/2024

Batch R346639 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24042384-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	4.650	98.9	23.98	1.86	05/01/2024

Batch R346714 **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	05/02/2024

Batch R346714 **SampType:** MBLK Units **mg/Kg**
SampID: MBLK-240501

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride	*	40		**< 40**	0.5000	0	0	-100	100	05/02/2024

Batch R346714 **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	103.0	90	110	05/02/2024

Batch R346714 **SampType:** MS Units **mg/L**
SampID: 24041541-033AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**258**	200.0	76.14	91.1	85	115	05/03/2024

Batch R346714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-033AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**260**	200.0	76.14	91.7	258.3	0.48	05/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9251 (TOTAL)

Batch R346714 **SampType:** MS Units **mg/L**
SampID: 24041541-045AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**254**	200.0	65.43	94.4	85	115	05/03/2024

Batch R346714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-045AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**248**	200.0	65.43	91.2	254.2	2.50	05/03/2024

Batch R346714 **SampType:** MS Units **mg/L**
SampID: 24042406-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**29**	20.00	9.490	96.8	85	115	05/02/2024

Batch R346714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24042406-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**29**	20.00	9.490	95.9	28.85	0.63	05/02/2024

Batch R346714 **SampType:** MS Units **mg/L**
SampID: 24042406-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**403**	200.0	229.3	86.7	85	115	05/02/2024

Batch R346714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24042406-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**410**	200.0	229.3	90.2	402.6	1.75	05/02/2024

Batch R346714 **SampType:** MS Units **mg/L**
SampID: 24042406-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**35**	20.00	17.65	89.0	85	115	05/02/2024

Batch R346714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24042406-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**35**	20.00	17.65	88.9	35.46	0.08	05/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R346846 **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	05/06/2024

Batch R346846 **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	98.8	90	110	05/06/2024

Batch R346846 **SampType:** MS Units **mg/L**
SampID: 24041541-007EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**56**	20.00	37.01	97.0	85	115	05/06/2024

Batch R346846 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-007EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**59**	20.00	37.01	109.3	56.40	4.29	05/06/2024

Batch R346935 **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	05/07/2024

Batch R346935 **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	104.1	90	110	05/07/2024

Batch R346935 **SampType:** MS Units **mg/L**
SampID: 24050139-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	3.780	100.0	85	115	05/07/2024

Batch R346935 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050139-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	3.780	100.8	23.77	0.71	05/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R346935 **SampType:** MS Units **mg/L**
SampID: 24050140-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**41**	20.00	22.46	91.8	85	115	05/08/2024

Batch R346935 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050140-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**41**	20.00	22.46	91.8	40.83	0.00	05/08/2024

Batch R347069 **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	05/09/2024

Batch R347069 **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	05/09/2024

Batch R347069 **SampType:** MS Units **mg/L**
SampID: 24041541-027AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**147**	100.0	60.91	86.1	85	115	05/10/2024

Batch R347069 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-027AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**154**	100.0	60.91	93.2	147.0	4.68	05/10/2024

Batch R347069 **SampType:** MS Units **mg/L**
SampID: 24041541-042AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**31**	20.00	12.36	92.2	85	115	05/10/2024

Batch R347069 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-042AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**31**	20.00	12.36	93.2	30.80	0.65	05/10/2024

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Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347069 **SampType:** MS Units **mg/L**
SampID: 24050273-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	1.870	97.8	85	115	05/09/2024

Batch R347069 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050273-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**21**	20.00	1.870	97.8	21.44	0.09	05/09/2024

Batch R347069 **SampType:** MS Units **mg/L**
SampID: 24050352-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	3.790	98.6	85	115	05/09/2024

Batch R347069 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050352-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	3.790	101.4	23.50	2.35	05/09/2024

Batch R347114 **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	05/10/2024

Batch R347114 **SampType:** MBLK Units **mg/L**
SampID: MBLK-181812

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	05/10/2024

Batch R347114 **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	98.3	90	110	05/10/2024

Batch R347114 **SampType:** MS Units **mg/L**
SampID: 24041541-092AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**26**	20.00	7.070	96.6	85	115	05/10/2024

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Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347114 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-092AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**26**	20.00	7.070	96.0	26.38	0.46	05/10/2024

Batch R347114 **SampType:** MS Units **mg/L**
SampID: 24041541-100AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**88**	40.00	51.39	91.6	85	115	05/11/2024

Batch R347114 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24041541-100AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**89**	40.00	51.39	93.2	88.02	0.72	05/11/2024

Batch R347114 **SampType:** MS Units **mg/L**
SampID: 24050482-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**26**	20.00	6.630	97.0	85	115	05/10/2024

Batch R347114 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050482-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**26**	20.00	6.630	97.4	26.03	0.31	05/10/2024

Batch R347114 **SampType:** MS Units **mg/L**
SampID: 24050590-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		2000		**21100**	10000	11820	92.4	85	115	05/10/2024

Batch R347114 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050590-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		2000		**21300**	10000	11820	94.3	21070	0.87	05/10/2024

Batch R347114 **SampType:** MS Units **mg/L**
SampID: 24050891-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**51**	20.00	32.45	92.4	85	115	05/10/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347114 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050891-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**51**	20.00	32.45	93.8	50.92	0.55	05/10/2024

Batch R347274 **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	05/14/2024

Batch R347274 **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	98.8	90	110	05/14/2024

Batch R347274 **SampType:** MS Units **mg/L**
SampID: 24050001-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**47**	20.00	28.26	92.6	85	115	05/15/2024

Batch R347274 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050001-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**47**	20.00	28.26	94.5	46.77	0.81	05/15/2024

Batch R347274 **SampType:** MS Units **mg/L**
SampID: 24050002-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**62**	20.00	43.04	97.0	85	115	05/14/2024

Batch R347274 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050002-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**62**	20.00	43.04	96.4	62.45	0.21	05/14/2024

Batch R347274 **SampType:** MS Units **mg/L**
SampID: 24050634-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**82**	40.00	45.78	89.7	85	115	05/15/2024

Teklab, Inc.
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Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347274 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050634-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**83**	40.00	45.78	92.6	81.67	1.40	05/15/2024

Batch R347274 **SampType:** MS Units **mg/L**
SampID: 24050646-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**23**	20.00	3.840	98.1	85	115	05/14/2024

Batch R347274 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050646-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**23**	20.00	3.840	97.6	23.46	0.38	05/14/2024

Batch R347274 **SampType:** MS Units **mg/L**
SampID: 24050795-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**214**	100.0	120.9	93.2	85	115	05/14/2024

Batch R347274 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050795-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**210**	100.0	120.9	89.3	214.2	1.86	05/14/2024

Batch R347274 **SampType:** MS Units **mg/L**
SampID: 24050795-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**224**	100.0	131.2	92.5	85	115	05/14/2024

Batch R347274 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050795-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**221**	100.0	131.2	89.9	223.7	1.18	05/14/2024

Batch R347274 **SampType:** MS Units **mg/L**
SampID: 24051090-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**52**	20.00	33.73	93.0	85	115	05/14/2024

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Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347274 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051090-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**52**	20.00	33.73	91.6	52.32	0.52	05/14/2024

Batch R347380 **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	05/15/2024

Batch R347380 **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	96.2	90	110	05/15/2024

Batch R347380 **SampType:** MS Units **mg/L**
SampID: 24050633-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**32**	20.00	14.47	86.6	85	115	05/15/2024

Batch R347380 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050633-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**32**	20.00	14.47	89.4	31.79	1.78	05/15/2024

Batch R347380 **SampType:** MS Units **mg/L**
SampID: 24050819-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**27**	20.00	7.960	93.0	85	115	05/16/2024

Batch R347380 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050819-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**27**	20.00	7.960	93.3	26.55	0.26	05/16/2024

Batch R347380 **SampType:** MS Units **mg/L**
SampID: 24050905-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**24**	20.00	5.840	92.5	85	115	05/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347380 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050905-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**24**	20.00	5.840	93.3	24.33	0.70	05/15/2024

Batch R347380 **SampType:** MS Units **mg/L**
SampID: 24050906-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	1.320	95.0	85	115	05/15/2024

Batch R347380 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050906-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	1.320	95.0	20.32	0.05	05/15/2024

Batch R347380 **SampType:** MS Units **mg/L**
SampID: 24050906-011AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**19**	20.00	0.9100	92.6	85	115	05/15/2024

Batch R347380 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050906-011AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	0.9100	94.8	19.43	2.19	05/15/2024

Batch R347380 **SampType:** MS Units **mg/L**
SampID: 24050906-018AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	1.040	93.8	85	115	05/15/2024

Batch R347380 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050906-018AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	1.040	94.6	19.79	0.86	05/15/2024

Batch R347380 **SampType:** MS Units **mg/L**
SampID: 24050906-021AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	2.110	95.8	85	115	05/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347380 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050906-021AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**21**	20.00	2.110	96.0	21.27	0.19	05/15/2024

Batch R347380 **SampType:** MS Units **mg/L**
SampID: 24050906-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	1.100	94.4	85	115	05/15/2024

Batch R347380 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050906-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	1.100	96.0	19.97	1.64	05/15/2024

Batch R347380 **SampType:** MS Units **mg/L**
SampID: 24051000-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	1.220	95.3	85	115	05/16/2024

Batch R347380 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051000-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	1.220	96.2	20.28	0.93	05/16/2024

Batch R347380 **SampType:** MS Units **mg/L**
SampID: 24051000-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	1.520	93.6	85	115	05/16/2024

Batch R347380 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051000-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**20**	20.00	1.520	93.3	20.24	0.30	05/16/2024

Batch R347548 **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	05/17/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347548 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	99.0	90	110	05/17/2024

Batch R347548 **SampType:** MS Units **mg/L**
SampID: 24050907-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**27**	20.00	8.360	92.1	85	115	05/17/2024

Batch R347548 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24050907-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**27**	20.00	8.360	92.4	26.78	0.19	05/17/2024

Batch R347548 **SampType:** MS Units **mg/L**
SampID: 24051437-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**51**	20.00	31.81	93.8	85	115	05/17/2024

Batch R347548 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24051437-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**50**	20.00	31.81	90.8	50.56	1.17	05/17/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222322 **SampType:** MBLK Units **mg/L**

SampID: MBLK-222322

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	05/01/2024
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	05/03/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	05/03/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	05/01/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/03/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/01/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/01/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/03/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	05/01/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	05/03/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	05/03/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	05/01/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/03/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/01/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/01/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/03/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/03/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/01/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	05/03/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	05/01/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	05/03/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	05/01/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	05/01/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	05/03/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	05/03/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	05/01/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/01/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/03/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	05/03/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	05/01/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	05/03/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	05/01/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	05/01/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	05/03/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/03/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

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

Batch 222322 **SampType:** MBLK Units **mg/L**
SampID: MBLK-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/01/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/03/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/01/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/03/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/01/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/03/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	05/03/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	05/01/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	05/01/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	05/03/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	05/01/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	05/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222322 **SampType:** LCS Units **mg/L**

SampID: LCS-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.92**	2.000	0	96.2	85	115	05/01/2024
Aluminum		0.0250		**1.77**	2.000	0	88.6	85	115	05/03/2024
Antimony		0.0500		**0.492**	0.5000	0	98.4	85	115	05/01/2024
Antimony		0.0500		**0.453**	0.5000	0	90.6	85	115	05/03/2024
Arsenic		0.0250		**0.487**	0.5000	0	97.4	85	115	05/01/2024
Arsenic		0.0250		**0.472**	0.5000	0	94.5	85	115	05/03/2024
Barium		0.0025		**1.92**	2.000	0	95.8	85	115	05/01/2024
Barium		0.0025		**1.79**	2.000	0	89.5	85	115	05/03/2024
Beryllium		0.0005		**0.0485**	0.0500	0	97.0	85	115	05/01/2024
Beryllium		0.0005		**0.0448**	0.0500	0	89.6	85	115	05/03/2024
Boron		0.0200		**0.439**	0.5000	0	87.9	85	115	05/03/2024
Boron		0.0200		**0.471**	0.5000	0	94.2	85	115	05/01/2024
Cadmium		0.0020		**0.0498**	0.0500	0	99.6	85	115	05/01/2024
Cadmium		0.0020		**0.0462**	0.0500	0	92.4	85	115	05/03/2024
Calcium		0.100		**2.27**	2.500	0	90.9	85	115	05/01/2024
Calcium		0.100		**2.24**	2.500	0	89.8	85	115	05/03/2024
Chromium		0.0050		**0.182**	0.2000	0	90.9	85	115	05/03/2024
Chromium		0.0050		**0.191**	0.2000	0	95.6	85	115	05/01/2024
Cobalt		0.0050		**0.449**	0.5000	0	89.8	85	115	05/03/2024
Cobalt		0.0050		**0.477**	0.5000	0	95.5	85	115	05/01/2024
Copper		0.0050		**0.225**	0.2500	0	90.2	85	115	05/03/2024
Copper		0.0050		**0.243**	0.2500	0	97.2	85	115	05/01/2024
Iron		0.0400		**1.82**	2.000	0	90.9	85	115	05/03/2024
Iron		0.0400		**1.96**	2.000	0	98.0	85	115	05/01/2024
Lead		0.0150		**0.453**	0.5000	0	90.6	85	115	05/03/2024
Lead		0.0150		**0.476**	0.5000	0	95.1	85	115	05/01/2024
Magnesium		0.0500		**2.20**	2.500	0	88.0	85	115	05/03/2024
Magnesium		0.0500		**2.34**	2.500	0	93.7	85	115	05/01/2024
Manganese		0.0070		**0.488**	0.5000	0	97.6	85	115	05/01/2024
Manganese		0.0070		**0.455**	0.5000	0	91.1	85	115	05/03/2024
Molybdenum		0.0100		**0.443**	0.5000	0	88.6	85	115	05/03/2024
Molybdenum		0.0100		**0.463**	0.5000	0	92.6	85	115	05/01/2024
Nickel		0.0050		**0.456**	0.5000	0	91.2	85	115	05/03/2024
Nickel		0.0050		**0.477**	0.5000	0	95.4	85	115	05/01/2024
Potassium		0.100		**2.35**	2.500	0	93.8	85	115	05/03/2024
Potassium		0.100		**2.68**	2.500	0	107.1	85	115	05/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222322 **SampType:** LCS Units **mg/L**
SampID: LCS-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		0.0400		**0.459**	0.5000	0	91.8	85	115	05/03/2024
Selenium		0.0400		**0.475**	0.5000	0	94.9	85	115	05/01/2024
Silver		0.0070		**0.0433**	0.0500	0	86.6	85	115	05/03/2024
Silver		0.0070		**0.0499**	0.0500	0	99.8	85	115	05/01/2024
Sodium		0.0500		**2.42**	2.500	0	96.7	85	115	05/01/2024
Sodium		0.0500		**2.32**	2.500	0	92.7	85	115	05/03/2024
Thallium		0.0500		**0.219**	0.2500	0	87.4	85	115	05/03/2024
Thallium		0.0500		**0.222**	0.2500	0	88.7	85	115	05/01/2024
Vanadium		0.0100		**0.480**	0.5000	0	96.0	85	115	05/01/2024
Vanadium		0.0100		**0.446**	0.5000	0	89.3	85	115	05/03/2024
Zinc		0.0100		**0.451**	0.5000	0	90.1	85	115	05/03/2024
Zinc		0.0100		**0.480**	0.5000	0	96.0	85	115	05/01/2024

Batch 222322 **SampType:** MS Units **mg/L**
SampID: 24042058-006GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**101**	2.500	99.94	43.2	75	125	05/02/2024
Magnesium		0.050		**37.5**	2.500	35.31	85.8	75	125	05/03/2024
Potassium		0.100		**3.16**	2.500	0.6153	101.9	75	125	05/02/2024
Sodium		0.050		**45.0**	2.500	43.11	77.6	75	125	05/02/2024

Batch 222322 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24042058-006GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**100**	2.500	99.94	6.4	101.0	0.91	05/02/2024
Magnesium		0.050		**37.7**	2.500	35.31	96.6	37.46	0.71	05/03/2024
Potassium		0.100		**3.11**	2.500	0.6153	99.8	3.164	1.69	05/02/2024
Sodium		0.050	S	**44.8**	2.500	43.11	65.6	45.05	0.67	05/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222415 **SampType:** MBLK Units **mg/L**

SampID: MBLK-222415

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	05/03/2024
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	05/03/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	05/03/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	05/03/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/03/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/03/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/03/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/03/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	05/03/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	05/03/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	05/03/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	05/03/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/03/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/03/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/03/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/03/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/06/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/03/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/03/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	05/03/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	05/03/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	05/03/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	05/03/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	05/03/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	05/03/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	05/03/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	05/03/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	05/06/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	05/03/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	05/03/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	05/03/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	05/03/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	05/03/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	05/03/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/03/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222415 **SampType:** MBLK Units **mg/L**

SampID: MBLK-222415

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/03/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/03/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/03/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/03/2024
Sodium		0.0500	S	**0.0654**	0.0180	0	363.3	-100	100	05/03/2024
Sodium		0.050	S	**0.063**	0.0180	0	348.9	-100	100	05/06/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	05/03/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	05/03/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	05/03/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	05/03/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	05/03/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	05/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222415 **SampType:** LCS Units **mg/L**

SampID: LCS-222415

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.95**	2.000	0	97.3	85	115	05/03/2024
Aluminum		0.0250		**1.92**	2.000	0	95.8	85	115	05/03/2024
Antimony		0.0500		**0.475**	0.5000	0	95.0	85	115	05/03/2024
Antimony		0.0500		**0.480**	0.5000	0	96.0	85	115	05/03/2024
Arsenic		0.0250		**0.502**	0.5000	0	100.3	85	115	05/03/2024
Arsenic		0.0250		**0.496**	0.5000	0	99.2	85	115	05/03/2024
Barium		0.0025		**1.91**	2.000	0	95.7	85	115	05/03/2024
Barium		0.0025		**1.93**	2.000	0	96.7	85	115	05/03/2024
Beryllium		0.0005		**0.0486**	0.0500	0	97.2	85	115	05/03/2024
Beryllium		0.0005		**0.0485**	0.0500	0	97.0	85	115	05/03/2024
Boron		0.0200		**0.479**	0.5000	0	95.8	85	115	05/03/2024
Boron		0.0200		**0.477**	0.5000	0	95.4	85	115	05/03/2024
Cadmium		0.0020		**0.0503**	0.0500	0	100.6	85	115	05/03/2024
Cadmium		0.0020		**0.0503**	0.0500	0	100.6	85	115	05/03/2024
Calcium		0.100		**2.45**	2.500	0	97.8	85	115	05/06/2024
Calcium		0.100		**2.32**	2.500	0	92.9	85	115	05/03/2024
Calcium		0.100		**2.30**	2.500	0	92.1	85	115	05/03/2024
Chromium		0.0050		**0.190**	0.2000	0	95.1	85	115	05/03/2024
Chromium		0.0050		**0.189**	0.2000	0	94.6	85	115	05/03/2024
Cobalt		0.0050		**0.479**	0.5000	0	95.8	85	115	05/03/2024
Cobalt		0.0050		**0.478**	0.5000	0	95.6	85	115	05/03/2024
Copper		0.0050		**0.240**	0.2500	0	96.0	85	115	05/03/2024
Copper		0.0050		**0.238**	0.2500	0	95.3	85	115	05/03/2024
Iron		0.0400		**1.91**	2.000	0	95.5	85	115	05/03/2024
Iron		0.0400		**1.92**	2.000	0	95.9	85	115	05/03/2024
Lead		0.0150		**0.479**	0.5000	0	95.8	85	115	05/03/2024
Lead		0.0150		**0.478**	0.5000	0	95.6	85	115	05/03/2024
Magnesium		0.050		**2.28**	2.500	0	91.1	85	115	05/06/2024
Manganese		0.0070		**0.480**	0.5000	0	96.0	85	115	05/03/2024
Manganese		0.0070		**0.479**	0.5000	0	95.8	85	115	05/03/2024
Molybdenum		0.0100		**0.450**	0.5000	0	90.0	85	115	05/03/2024
Molybdenum		0.0100		**0.450**	0.5000	0	90.0	85	115	05/03/2024
Nickel		0.0050		**0.483**	0.5000	0	96.5	85	115	05/03/2024
Nickel		0.0050		**0.482**	0.5000	0	96.5	85	115	05/03/2024
Potassium		0.100		**2.70**	2.500	0	108.1	85	115	05/06/2024
Potassium		0.100		**2.59**	2.500	0	103.5	85	115	05/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222415 **SampType:** LCS Units **mg/L**

SampID: LCS-222415

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Potassium		0.100		**2.61**	2.500	0	104.6	85	115	05/03/2024
Selenium		0.0400		**0.499**	0.5000	0	99.9	85	115	05/03/2024
Selenium		0.0400		**0.498**	0.5000	0	99.6	85	115	05/03/2024
Silver		0.0070	S	**0.0412**	0.0500	0	82.4	85	115	05/03/2024
Sodium		0.050	B	**2.51**	2.500	0	100.6	85	115	05/06/2024
Sodium		0.0500	B	**2.46**	2.500	0	98.6	85	115	05/03/2024
Thallium		0.0500		**0.234**	0.2500	0	93.6	85	115	05/03/2024
Thallium		0.0500		**0.239**	0.2500	0	95.6	85	115	05/03/2024
Vanadium		0.0100		**0.476**	0.5000	0	95.3	85	115	05/03/2024
Vanadium		0.0100		**0.480**	0.5000	0	95.9	85	115	05/03/2024
Zinc		0.0100		**0.490**	0.5000	0	97.9	85	115	05/03/2024
Zinc		0.0100		**0.491**	0.5000	0	98.2	85	115	05/03/2024

Batch 222415 **SampType:** MS Units **mg/L**

SampID: 24041541-010GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**79.7**	2.500	78.60	42.8	75	125	05/03/2024
Magnesium		0.050	S	**37.0**	2.500	35.54	57.8	75	125	05/06/2024
Potassium		0.100		**2.98**	2.500	0.3980	103.2	75	125	05/03/2024
Sodium		0.050	B	**35.8**	2.500	33.71	82.0	75	125	05/03/2024

Batch 222415 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24041541-010GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**79.8**	2.500	78.60	47.2	79.67	0.14	05/03/2024
Magnesium		0.050	S	**37.1**	2.500	35.54	62.5	36.99	0.32	05/06/2024
Potassium		0.100		**3.00**	2.500	0.3980	104.0	2.978	0.65	05/03/2024
Sodium		0.050	B	**35.9**	2.500	33.71	87.2	35.76	0.36	05/03/2024

Batch 222415 **SampType:** MS Units **mg/L**

SampID: 24042405-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**1.89**	2.000	0	94.5	75	125	05/03/2024
Manganese		0.0070	S	**17.6**	0.5000	17.34	57.4	75	125	05/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222415 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24042405-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**1.92**	2.000	0	95.9	1.890	1.47	05/03/2024
Manganese		0.0070	S	**17.5**	0.5000	17.34	26.2	17.63	0.89	05/03/2024

Batch 222458 **SampType:** MS Units **mg/L**

SampID: 24041541-018GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**80.9**	5.000	80.99	-1.2	75	125	05/14/2024
Magnesium		0.050	S	**39.9**	5.000	37.55	46.4	75	125	05/14/2024
Potassium		0.100		**5.37**	5.000	0.4665	98.2	75	125	05/14/2024
Sodium		0.050	S	**65.9**	5.000	63.97	39.0	75	125	05/14/2024

Batch 222458 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24041541-018GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**80.4**	5.000	80.99	-12.6	80.93	0.71	05/14/2024
Magnesium		0.050	S	**39.3**	5.000	37.55	35.7	39.87	1.34	05/14/2024
Potassium		0.100		**5.12**	5.000	0.4665	93.0	5.374	4.86	05/14/2024
Sodium		0.050	S	**64.3**	5.000	63.97	5.8	65.92	2.55	05/14/2024

Batch 222458 **SampType:** MS Units **mg/L**

SampID: 24050001-008EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	**90.0**	2.500	88.46	63.3	75	125	05/14/2024

Batch 222458 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24050001-008EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050	S	**89.7**	2.500	88.46	48.9	90.04	0.40	05/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222460 **SampType:** MBLK Units **mg/L**

SampID: MBLK-222460

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	05/03/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	05/03/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/03/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/03/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	05/03/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	05/03/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/03/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/03/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/03/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	05/03/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	05/03/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	05/03/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	05/03/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/03/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	05/03/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	05/03/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	05/03/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/03/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/03/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/03/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/03/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	05/03/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	05/03/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	05/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222460 **SampType:** LCS Units **mg/L**

SampID: LCS-222460

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.83**	2.000	0	91.5	85	115	05/03/2024
Antimony		0.0500		**0.461**	0.5000	0	92.2	85	115	05/03/2024
Arsenic		0.0250		**0.481**	0.5000	0	96.2	85	115	05/03/2024
Barium		0.0025		**1.84**	2.000	0	92.1	85	115	05/03/2024
Beryllium		0.0005		**0.0463**	0.0500	0	92.6	85	115	05/03/2024
Boron		0.0200		**0.449**	0.5000	0	89.8	85	115	05/03/2024
Cadmium		0.0020		**0.0471**	0.0500	0	94.2	85	115	05/03/2024
Calcium		0.100		**2.33**	2.500	0	93.0	85	115	05/03/2024
Chromium		0.0050		**0.187**	0.2000	0	93.6	85	115	05/03/2024
Cobalt		0.0050		**0.466**	0.5000	0	93.1	85	115	05/03/2024
Copper		0.0050		**0.234**	0.2500	0	93.5	85	115	05/03/2024
Iron		0.0400		**1.87**	2.000	0	93.6	85	115	05/03/2024
Lead		0.0150		**0.470**	0.5000	0	94.1	85	115	05/03/2024
Magnesium		0.0500		**2.27**	2.500	0	90.7	85	115	05/03/2024
Manganese		0.0070		**0.471**	0.5000	0	94.2	85	115	05/03/2024
Molybdenum		0.0100		**0.457**	0.5000	0	91.3	85	115	05/03/2024
Nickel		0.0050		**0.472**	0.5000	0	94.3	85	115	05/03/2024
Potassium		0.100		**2.39**	2.500	0	95.7	85	115	05/03/2024
Selenium		0.0400		**0.463**	0.5000	0	92.7	85	115	05/03/2024
Silver		0.0070		**0.0444**	0.0500	0	88.8	85	115	05/03/2024
Sodium		0.0500		**2.36**	2.500	0	94.3	85	115	05/03/2024
Thallium		0.0500		**0.235**	0.2500	0	93.8	85	115	05/03/2024
Vanadium		0.0100		**0.461**	0.5000	0	92.2	85	115	05/03/2024
Zinc		0.0100		**0.463**	0.5000	0	92.7	85	115	05/03/2024

Batch 222460 **SampType:** MS Units **mg/L**

SampID: 24041541-004GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**80.1**	2.500	78.05	80.4	75	125	05/03/2024
Magnesium		0.050		**38.3**	2.500	36.14	87.4	75	125	05/03/2024
Potassium		0.100		**2.88**	2.500	0.4658	96.7	75	125	05/03/2024
Sodium		0.050	S	**37.1**	2.500	35.48	66.0	75	125	05/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222460 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24041541-004GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**78.6**	2.500	78.05	22.8	80.06	1.81	05/03/2024
Magnesium		0.050	S	**37.5**	2.500	36.14	55.0	38.32	2.14	05/03/2024
Potassium		0.100		**2.84**	2.500	0.4658	95.1	2.884	1.43	05/03/2024
Sodium		0.050	S	**36.4**	2.500	35.48	35.6	37.13	2.07	05/03/2024

Batch 222460 **SampType:** MS Units **mg/L**
SampID: 24042405-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**1.84**	2.000	0	92.0	75	125	05/03/2024
Manganese		0.0070		**4.73**	0.5000	4.300	85.7	75	125	05/03/2024

Batch 222460 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24042405-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**1.85**	2.000	0	92.4	1.841	0.40	05/03/2024
Manganese		0.0070		**4.78**	0.5000	4.300	96.6	4.729	1.15	05/03/2024

Batch 222799 **SampType:** MBLK Units **mg/L**
SampID: MBLK-222799

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	05/13/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/13/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/13/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/13/2024

Batch 222799 **SampType:** LCS Units **mg/L**
SampID: LCS-222799

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	05/13/2024
Magnesium		0.0500		**2.20**	2.500	0	88.1	85	115	05/13/2024
Potassium		0.100		**2.62**	2.500	0	104.9	85	115	05/13/2024
Sodium		0.0500		**2.45**	2.500	0	98.1	85	115	05/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222799 **SampType:** MS Units **mg/L**
SampID: 24050464-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**61.5**	2.500	60.91	22.0	75	125	05/13/2024
Magnesium		0.050	S	**25.8**	2.500	24.20	62.5	75	125	05/13/2024
Potassium		0.100		**3.20**	2.500	0.4808	109.0	75	125	05/13/2024
Sodium		0.050	S	**52.7**	2.500	51.33	53.6	75	125	05/13/2024

Batch 222799 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24050464-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**61.6**	2.500	60.91	29.2	61.46	0.29	05/13/2024
Magnesium		0.050	S	**25.8**	2.500	24.20	62.4	25.77	0.01	05/13/2024
Potassium		0.100		**3.17**	2.500	0.4808	107.7	3.205	0.99	05/13/2024
Sodium		0.050	S	**52.4**	2.500	51.33	42.8	52.67	0.51	05/13/2024

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

Batch 222328 **SampType:** MBLK Units **mg/L**
SampID: MBLK-222328

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/03/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/02/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/03/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/02/2024
Sodium		0.0500	S	**0.0658**	0.0180	0	365.6	-100	100	05/02/2024

Batch 222328 **SampType:** LCS Units **mg/L**
SampID: LCS-222328

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0020		**0.0502**	0.0500	0	100.4	85	115	05/03/2024
Calcium		0.100		**2.52**	2.500	0	100.7	85	115	05/02/2024
Magnesium		0.0500		**2.49**	2.500	0	99.8	85	115	05/03/2024
Potassium		0.100		**2.63**	2.500	0	105.2	85	115	05/02/2024
Sodium		0.0500	B	**2.57**	2.500	0	102.6	85	115	05/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222328 **SampType:** MS Units **mg/L**

SampID: 24041541-069BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**590**	2.500	572.0	735.2	75	125	05/02/2024
Magnesium		0.050	S	**313**	2.500	300.9	490.6	75	125	05/03/2024
Potassium		0.100		**6.50**	2.500	3.700	111.9	75	125	05/02/2024
Sodium		0.050	BS	**135**	2.500	131.4	163.2	75	125	05/02/2024

Batch 222328 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24041541-069BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**551**	2.500	572.0	-824.4	590.4	6.83	05/02/2024
Magnesium		0.050	S	**295**	2.500	300.9	-235.8	313.2	5.97	05/03/2024
Potassium		0.100		**6.25**	2.500	3.700	102.1	6.496	3.85	05/02/2024
Sodium		0.050	BS	**129**	2.500	131.4	-97.6	135.5	4.93	05/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222392 **SampType:** MBLK Units **mg/L**

SampID: MBLK-222392

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	05/03/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	05/03/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/03/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/03/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	05/03/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	05/03/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/03/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	05/03/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/03/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	05/03/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	05/03/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	05/03/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	05/03/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/03/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	05/03/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	05/03/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	05/03/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/03/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/03/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/03/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/03/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	05/03/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	05/03/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	05/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222392 **SampType:** LCS Units **mg/L**

SampID: LCS-222392

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.92**	2.000	0	96.1	85	115	05/03/2024
Antimony		0.0500		**0.506**	0.5000	0	101.3	85	115	05/03/2024
Arsenic		0.0250		**0.518**	0.5000	0	103.6	85	115	05/03/2024
Barium		0.0025		**1.94**	2.000	0	97.0	85	115	05/03/2024
Beryllium		0.0005		**0.0498**	0.0500	0	99.6	85	115	05/03/2024
Boron		0.0200		**0.478**	0.5000	0	95.7	85	115	05/03/2024
Cadmium		0.0020		**0.0512**	0.0500	0	102.4	85	115	05/03/2024
Calcium		0.100		**2.46**	2.500	0	98.3	85	115	05/03/2024
Chromium		0.0050		**0.198**	0.2000	0	99.2	85	115	05/03/2024
Cobalt		0.0050		**0.497**	0.5000	0	99.4	85	115	05/03/2024
Copper		0.0050		**0.246**	0.2500	0	98.2	85	115	05/03/2024
Iron		0.0400		**2.07**	2.000	0	103.5	85	115	05/03/2024
Lead		0.0150		**0.503**	0.5000	0	100.5	85	115	05/03/2024
Magnesium		0.0500		**2.44**	2.500	0	97.7	85	115	05/03/2024
Manganese		0.0070		**0.501**	0.5000	0	100.2	85	115	05/03/2024
Molybdenum		0.0100		**0.486**	0.5000	0	97.2	85	115	05/03/2024
Nickel		0.0050		**0.505**	0.5000	0	100.9	85	115	05/03/2024
Potassium		0.100		**2.48**	2.500	0	99.1	85	115	05/03/2024
Selenium		0.0400		**0.505**	0.5000	0	101.0	85	115	05/03/2024
Silver		0.0070		**0.0470**	0.0500	0	94.0	85	115	05/03/2024
Sodium		0.0500		**2.47**	2.500	0	98.6	85	115	05/03/2024
Thallium		0.0500		**0.244**	0.2500	0	97.5	85	115	05/03/2024
Vanadium		0.0100		**0.489**	0.5000	0	97.9	85	115	05/03/2024
Zinc		0.0100		**0.496**	0.5000	0	99.2	85	115	05/03/2024

Batch 222392 **SampType:** MS Units **mg/L**

SampID: 24050131-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0020		**0.0529**	0.0500	0.001500	102.8	75	125	05/03/2024
Calcium		0.100		**48.4**	2.500	46.28	84.4	75	125	05/03/2024
Magnesium		0.0500		**6.09**	2.500	3.663	97.1	75	125	05/03/2024
Zinc		0.0100		**0.848**	0.5000	0.3432	101.0	75	125	05/03/2024

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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

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

Batch 222392 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24050131-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cadmium		0.0020		**0.0524**	0.0500	0.001500	101.8	0.05290	0.95	05/03/2024
Calcium		0.100		**48.8**	2.500	46.28	100.0	48.39	0.80	05/03/2024
Magnesium		0.0500		**6.10**	2.500	3.663	97.4	6.092	0.09	05/03/2024
Zinc		0.0100		**0.847**	0.5000	0.3432	100.8	0.8482	0.13	05/03/2024

Batch 222392 **SampType:** MS Units **mg/L**
SampID: 24050189-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium		0.0050		**0.192**	0.2000	0	96.0	75	125	05/03/2024

Batch 222392 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24050189-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium		0.0050		**0.190**	0.2000	0	95.1	0.1920	0.99	05/03/2024

Batch 222414 **SampType:** MBLK Units **mg/L**
SampID: MBLK-222414

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	05/07/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/07/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/07/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/07/2024

Batch 222414 **SampType:** LCS Units **mg/L**
SampID: LCS-222414

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.64**	2.500	0	105.5	85	115	05/07/2024
Magnesium		0.0500		**2.48**	2.500	0	99.2	85	115	05/07/2024
Potassium		0.100		**2.70**	2.500	0	108.2	85	115	05/07/2024
Sodium		0.0500		**2.69**	2.500	0	107.7	85	115	05/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222461 **SampType:** MBLK Units **mg/L**
SampID: MBLK-222461

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	05/06/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/06/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/06/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/06/2024

Batch 222461 **SampType:** LCS Units **mg/L**
SampID: LCS-222461

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.58**	2.500	0	103.2	85	115	05/06/2024
Magnesium		0.0500		**2.60**	2.500	0	104.1	85	115	05/06/2024
Potassium		0.100		**2.61**	2.500	0	104.2	85	115	05/06/2024
Sodium		0.0500		**2.47**	2.500	0	98.7	85	115	05/06/2024

Batch 222461 **SampType:** MS Units **mg/L**
SampID: 24050273-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**71.0**	2.500	69.40	66.0	75	125	05/06/2024
Magnesium		0.050		**18.6**	2.500	16.49	85.2	75	125	05/06/2024
Sodium		0.050		**10.3**	2.500	7.700	105.6	75	125	05/07/2024

Batch 222461 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24050273-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**71.5**	2.500	69.40	83.6	71.05	0.62	05/06/2024
Magnesium		0.050		**18.7**	2.500	16.49	87.7	18.62	0.35	05/06/2024
Sodium		0.050		**10.2**	2.500	7.700	100.8	10.34	1.17	05/07/2024

Batch 222639 **SampType:** MBLK Units **mg/L**
SampID: MBLK-222639

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	05/08/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	05/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/08/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	05/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222639 **SampType:** LCS Units **mg/L**
SampID: LCS-222639

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.66**	2.500	0	106.3	85	115	05/08/2024
Magnesium		0.050		**2.43**	2.500	0	97.2	85	115	05/08/2024
Potassium		0.100		**2.68**	2.500	0	107.0	85	115	05/08/2024
Sodium		0.050		**2.57**	2.500	0	102.8	85	115	05/08/2024

Batch 222639 **SampType:** MS Units **mg/L**
SampID: 24041541-053CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**82.6**	2.500	80.55	80.4	75	125	05/08/2024
Magnesium		0.050	S	**39.2**	2.500	37.46	71.4	75	125	05/08/2024
Potassium		0.100		**3.66**	2.500	0.9379	108.7	75	125	05/08/2024
Sodium		0.050		**57.5**	2.500	55.60	77.2	75	125	05/08/2024

Batch 222639 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24041541-053CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**82.0**	2.500	80.55	59.2	82.56	0.64	05/08/2024
Magnesium		0.050	S	**38.9**	2.500	37.46	56.3	39.25	0.96	05/08/2024
Potassium		0.100		**3.53**	2.500	0.9379	103.8	3.656	3.43	05/08/2024
Sodium		0.050	S	**55.7**	2.500	55.60	5.6	57.53	3.16	05/08/2024

Batch 222656 **SampType:** MBLK Units **mg/L**
SampID: MBLK-222656

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	05/10/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/10/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/10/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/10/2024

Batch 222656 **SampType:** LCS Units **mg/L**
SampID: LCS-222656

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.66**	2.500	0	106.4	85	115	05/10/2024
Magnesium		0.0500		**2.52**	2.500	0	100.9	85	115	05/10/2024
Potassium		0.100		**2.79**	2.500	0	111.4	85	115	05/10/2024
Sodium		0.0500		**2.68**	2.500	0	107.0	85	115	05/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222656 **SampType:** MS Units **mg/L**
SampID: 24041541-092BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**226**	2.500	215.5	419.6	75	125	05/10/2024
Magnesium		0.050	S	**26.4**	2.500	22.94	137.0	75	125	05/10/2024
Potassium		1.00	S	**24.3**	2.500	20.84	136.7	75	125	05/16/2024
Sodium		0.050	S	**71.6**	2.500	67.61	160.8	75	125	05/10/2024

Batch 222656 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24041541-092BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**233**	2.500	215.5	711.6	226.0	3.18	05/10/2024
Magnesium		0.050	S	**27.3**	2.500	22.94	173.7	26.37	3.42	05/10/2024
Potassium		1.00	S	**24.5**	2.500	20.84	144.2	24.26	0.78	05/16/2024
Sodium		0.050	S	**73.4**	2.500	67.61	230.8	71.63	2.41	05/10/2024

Batch 222728 **SampType:** MBLK Units **mg/L**
SampID: MBLK-222728

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	05/10/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	05/10/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	05/10/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	05/10/2024

Batch 222728 **SampType:** LCS Units **mg/L**
SampID: LCS-222728

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.63**	2.500	0	105.1	85	115	05/10/2024
Magnesium		0.0500		**2.51**	2.500	0	100.5	85	115	05/10/2024
Potassium		0.100		**2.67**	2.500	0	106.9	85	115	05/10/2024
Sodium		0.0500		**2.58**	2.500	0	103.2	85	115	05/10/2024

Batch 222728 **SampType:** MS Units **mg/L**
SampID: 24041541-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**130**	2.500	129.9	19.2	75	125	05/10/2024
Magnesium		0.050	S	**59.5**	2.500	57.92	64.9	75	125	05/10/2024
Potassium		0.100		**4.55**	2.500	1.810	109.6	75	125	05/10/2024
Sodium		0.050	S	**78.5**	2.500	78.93	-16.0	75	125	05/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222728 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24041541-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**128**	2.500	129.9	-65.2	130.4	1.63	05/10/2024
Magnesium		0.050	S	**58.7**	2.500	57.92	31.0	59.54	1.43	05/10/2024
Potassium		0.100		**4.51**	2.500	1.810	108.0	4.549	0.86	05/10/2024
Sodium		0.050	S	**76.9**	2.500	78.93	-82.4	78.53	2.14	05/10/2024

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

Batch 222322 **SampType:** MBLK Units **µg/L**

SampID: MBLK-222322

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	05/09/2024
Antimony		1.0	S	**2.0**	0.4500	0	454.7	-100	100	05/03/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	05/07/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	05/07/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	05/03/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	05/03/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	05/03/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	05/03/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	05/03/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	05/03/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	05/06/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	05/03/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	05/03/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	05/03/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	05/03/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	05/03/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	05/03/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	05/03/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	05/03/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	05/03/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	05/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222322 **SampType:** LCS Units **µg/L**

SampID: LCS-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1800**	2000	0	89.8	80	120	05/09/2024
Antimony		1.0	B	**440**	500.0	0	87.9	80	120	05/03/2024
Antimony		1.0		**447**	500.0	0	89.5	80	120	05/07/2024
Arsenic		1.0		**473**	500.0	0	94.7	80	120	05/07/2024
Barium		1.0		**2130**	2000	0	106.6	80	120	05/03/2024
Beryllium		1.0		**46.0**	50.00	0	92.1	80	120	05/03/2024
Boron		25.0		**471**	500.0	0	94.2	80	120	05/03/2024
Cadmium		1.0		**52.2**	50.00	0	104.5	80	120	05/03/2024
Chromium		1.5		**194**	200.0	0	96.8	80	120	05/03/2024
Cobalt		1.0		**454**	500.0	0	90.8	80	120	05/03/2024
Copper		1.0		**223**	250.0	0	89.1	80	120	05/06/2024
Iron		25.0		**1850**	2000	0	92.3	80	120	05/03/2024
Lead		1.0		**461**	500.0	0	92.1	80	120	05/03/2024
Manganese		2.0		**489**	500.0	0	97.9	80	120	05/03/2024
Molybdenum		1.5		**437**	500.0	0	87.5	80	120	05/03/2024
Nickel		1.0		**454**	500.0	0	90.8	80	120	05/03/2024
Selenium		1.0		**481**	500.0	0	96.3	80	120	05/03/2024
Silver		1.0		**45.9**	50.00	0	91.7	80	120	05/03/2024
Thallium		2.0		**229**	250.0	0	91.5	80	120	05/03/2024
Vanadium		5.0		**448**	500.0	0	89.6	80	120	05/03/2024
Zinc		15.0		**443**	500.0	0	88.6	80	120	05/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222322 **SampType:** MS Units **µg/L**

SampID: 24041541-022CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**478**	500.0	0	95.5	75	125	05/07/2024
Arsenic		1.0		**487**	500.0	0	97.4	75	125	05/07/2024
Barium		1.0		**2130**	2000	70.24	102.9	75	125	05/03/2024
Beryllium		1.0		**45.8**	50.00	0	91.6	75	125	05/03/2024
Boron		25.0		**474**	500.0	0	94.8	75	125	05/03/2024
Cadmium		1.0		**51.1**	50.00	0	102.3	75	125	05/03/2024
Chromium		1.5		**180**	200.0	0.9334	89.6	75	125	05/03/2024
Cobalt		1.0		**427**	500.0	0	85.4	75	125	05/03/2024
Copper		1.0		**215**	250.0	1.306	85.6	75	125	05/06/2024
Iron		25.0		**1770**	2000	0	88.3	75	125	05/03/2024
Lead		1.0		**460**	500.0	0	92.1	75	125	05/03/2024
Manganese		2.0		**489**	500.0	42.22	89.3	75	125	05/03/2024
Nickel		1.0		**420**	500.0	0.5959	83.9	75	125	05/03/2024
Selenium		1.0		**469**	500.0	0	93.8	75	125	05/03/2024
Silver		1.0		**44.0**	50.00	0	88.0	75	125	05/03/2024
Thallium		2.0		**221**	250.0	0	88.5	75	125	05/03/2024
Vanadium		5.0		**427**	500.0	0	85.4	75	125	05/03/2024
Zinc		15.0		**420**	500.0	0	84.1	75	125	05/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222322 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24041541-022CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**463**	500.0	0	92.5	477.5	3.17	05/07/2024
Arsenic		1.0		**461**	500.0	0	92.2	486.9	5.51	05/07/2024
Barium		1.0		**2090**	2000	70.24	100.9	2128	1.84	05/03/2024
Beryllium		1.0		**44.9**	50.00	0	89.7	45.79	2.03	05/03/2024
Boron		25.0		**460**	500.0	0	91.9	473.9	3.08	05/03/2024
Cadmium		1.0		**50.1**	50.00	0	100.2	51.15	2.04	05/03/2024
Chromium		1.5		**174**	200.0	0.9334	86.3	180.0	3.64	05/03/2024
Cobalt		1.0		**416**	500.0	0	83.3	426.8	2.46	05/03/2024
Copper		1.0		**216**	250.0	1.306	85.9	215.3	0.41	05/06/2024
Iron		25.0		**1720**	2000	0	85.9	1767	2.81	05/03/2024
Lead		1.0		**451**	500.0	0	90.2	460.5	2.08	05/03/2024
Manganese		2.0		**477**	500.0	42.22	87.0	488.7	2.38	05/03/2024
Nickel		1.0		**414**	500.0	0.5959	82.7	420.0	1.43	05/03/2024
Selenium		1.0		**449**	500.0	0	89.7	468.9	4.39	05/03/2024
Silver		1.0		**42.9**	50.00	0	85.7	43.98	2.57	05/03/2024
Thallium		2.0		**218**	250.0	0	87.2	221.2	1.49	05/03/2024
Vanadium		5.0		**423**	500.0	0	84.6	427.0	1.00	05/03/2024
Zinc		15.0		**407**	500.0	0	81.4	420.4	3.17	05/03/2024

Batch 222322 **SampType:** MS Units **µg/L**

SampID: 24042058-006GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	B	**430**	500.0	0	86.0	75	125	05/03/2024
Arsenic		1.0		**470**	500.0	0	94.0	75	125	05/07/2024
Lead		1.0		**451**	500.0	0	90.2	75	125	05/03/2024
Selenium		1.0		**449**	500.0	0	89.8	75	125	05/03/2024
Thallium		2.0		**220**	250.0	0	87.9	75	125	05/03/2024

Batch 222322 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24042058-006GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0	B	**450**	500.0	0	90.0	429.9	4.58	05/03/2024
Arsenic		1.0		**474**	500.0	0	94.7	469.9	0.79	05/07/2024
Lead		1.0		**449**	500.0	0	89.8	451.1	0.52	05/03/2024
Selenium		1.0		**461**	500.0	0	92.1	449.2	2.49	05/03/2024
Thallium		2.0		**221**	250.0	0	88.3	219.8	0.46	05/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222415 **SampType:** MBLK Units **µg/L**

SampID: MBLK-222415

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	05/09/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	05/10/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	05/07/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	05/07/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	05/08/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	05/08/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	05/07/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	05/08/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	05/08/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	05/08/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	05/08/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	05/07/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	05/08/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	05/07/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	05/08/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	05/07/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	05/07/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	05/07/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	05/08/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	05/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

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

Batch 222415 **SampType:** LCS Units µg/L
SampID: LCS-222415

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1880**	2000	0	93.8	80	120	05/09/2024
Antimony		1.0		**513**	500.0	0	102.5	80	120	05/10/2024
Arsenic		1.0		**507**	500.0	0	101.4	80	120	05/07/2024
Barium		1.0		**2290**	2000	0	114.6	80	120	05/07/2024
Beryllium		1.0		**46.9**	50.00	0	93.9	80	120	05/08/2024
Boron		25.0		**485**	500.0	0	96.9	80	120	05/08/2024
Cadmium		1.0		**50.6**	50.00	0	101.2	80	120	05/07/2024
Chromium		1.5		**195**	200.0	0	97.7	80	120	05/08/2024
Cobalt		1.0		**475**	500.0	0	95.0	80	120	05/08/2024
Copper		1.0		**242**	250.0	0	96.8	80	120	05/08/2024
Iron		25.0		**1810**	2000	0	90.3	80	120	05/08/2024
Lead		1.0		**507**	500.0	0	101.5	80	120	05/07/2024
Manganese		2.0		**492**	500.0	0	98.3	80	120	05/08/2024
Molybdenum		1.5		**487**	500.0	0	97.3	80	120	05/07/2024
Nickel		1.0		**469**	500.0	0	93.8	80	120	05/08/2024
Selenium		1.0		**537**	500.0	0	107.5	80	120	05/07/2024
Silver		1.0		**42.4**	50.00	0	84.8	80	120	05/10/2024
Thallium		2.0		**247**	250.0	0	98.7	80	120	05/07/2024
Vanadium		5.0		**456**	500.0	0	91.2	80	120	05/08/2024
Zinc		15.0		**451**	500.0	0	90.3	80	120	05/08/2024

Batch 222415 **SampType:** MS Units µg/L
SampID: 24041541-010GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**438**	500.0	0	87.6	75	125	05/10/2024
Arsenic		1.0		**524**	500.0	0	104.8	75	125	05/07/2024
Barium		1.0		**2310**	2000	51.62	113.1	75	125	05/07/2024
Boron		25.0		**490**	500.0	0	98.1	75	125	05/08/2024
Cadmium		1.0		**50.3**	50.00	0	100.6	75	125	05/07/2024
Chromium		1.5		**192**	200.0	0	95.8	75	125	05/08/2024
Cobalt		1.0		**465**	500.0	0	93.0	75	125	05/08/2024
Lead		1.0		**511**	500.0	0	102.3	75	125	05/07/2024
Manganese		2.0		**528**	500.0	38.57	98.0	75	125	05/08/2024
Zinc		15.0		**454**	500.0	0	90.8	75	125	05/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

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

Batch 222415 **SampType:** MSD Units µg/L RPD Limit 20
SampID: 24041541-010GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**458**	500.0	0	91.7	437.8	4.59	05/10/2024
Arsenic		1.0		**510**	500.0	0	102.0	523.9	2.74	05/07/2024
Barium		1.0		**2270**	2000	51.62	110.9	2313	1.93	05/07/2024
Boron		25.0		**466**	500.0	0	93.3	490.4	5.02	05/08/2024
Cadmium		1.0		**49.6**	50.00	0	99.2	50.32	1.48	05/07/2024
Chromium		1.5		**183**	200.0	0	91.4	191.5	4.67	05/08/2024
Cobalt		1.0		**440**	500.0	0	88.0	465.1	5.61	05/08/2024
Lead		1.0		**501**	500.0	0	100.2	511.3	2.05	05/07/2024
Manganese		2.0		**497**	500.0	38.57	91.6	528.5	6.23	05/08/2024
Zinc		15.0		**417**	500.0	0	83.4	454.0	8.46	05/08/2024

Batch 222458 **SampType:** MBLK Units µg/L
SampID: MBLK-222458

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	05/14/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	05/14/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	05/14/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	05/14/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	05/14/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	05/14/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	05/14/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	05/14/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	05/15/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	05/14/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	05/14/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	05/14/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	05/14/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	05/14/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	05/14/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	05/14/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	05/14/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	05/14/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	05/14/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	05/14/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	05/14/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222458 **SampType:** LCS Units µg/L

SampID: LCS-222458

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2360**	2000	0	117.9	80	120	05/14/2024
Antimony		1.0		**445**	500.0	0	88.9	80	120	05/14/2024
Arsenic		1.0		**473**	500.0	0	94.6	80	120	05/14/2024
Barium		1.0		**2100**	2000	0	105.0	80	120	05/15/2024
Beryllium		1.0		**57.7**	50.00	0	115.4	80	120	05/14/2024
Boron		25.0		**564**	500.0	0	112.9	80	120	05/14/2024
Cadmium		1.0		**59.5**	50.00	0	119.1	80	120	05/14/2024
Chromium		1.5		**204**	200.0	0	102.2	80	120	05/15/2024
Cobalt		1.0		**558**	500.0	0	111.6	80	120	05/15/2024
Copper		1.0		**249**	250.0	0	99.8	80	120	05/15/2024
Iron		25.0		**2330**	2000	0	116.6	80	120	05/14/2024
Lead		1.0		**508**	500.0	0	101.6	80	120	05/15/2024
Manganese		2.0		**597**	500.0	0	119.3	80	120	05/14/2024
Molybdenum		1.5		**545**	500.0	0	109.0	80	120	05/14/2024
Nickel		1.0		**586**	500.0	0	117.3	80	120	05/14/2024
Selenium		1.0		**572**	500.0	0	114.5	80	120	05/14/2024
Silver		1.0		**55.6**	50.00	0	111.1	80	120	05/14/2024
Thallium		2.0		**288**	250.0	0	115.1	80	120	05/14/2024
Vanadium		5.0		**579**	500.0	0	115.8	80	120	05/14/2024
Zinc		15.0		**556**	500.0	0	111.3	80	120	05/14/2024

Batch 222458 **SampType:** MS Units µg/L

SampID: 24041541-018GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**882**	1000	0	88.2	75	125	05/16/2024
Arsenic		1.0		**1020**	1000	0	102.3	75	125	05/14/2024
Barium		1.0		**4090**	4000	62.86	100.8	75	125	05/15/2024
Boron		25.0		**1050**	1000	9.949	104.0	75	125	05/14/2024
Cadmium		1.0		**89.9**	100.0	0	89.9	75	125	05/15/2024
Chromium		1.5		**343**	400.0	0.9918	85.4	75	125	05/15/2024
Cobalt		1.0		**909**	1000	0	90.9	75	125	05/15/2024
Lead		1.0		**854**	1000	0	85.4	75	125	05/15/2024
Manganese		2.0		**1130**	1000	68.13	106.5	75	125	05/14/2024
Zinc		15.0		**939**	1000	0	93.9	75	125	05/14/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222458 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24041541-018GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**900**	1000	0	90.0	881.6	2.03	05/16/2024
Arsenic		1.0		**909**	1000	0	90.9	1023	11.83	05/14/2024
Barium		1.0		**3960**	4000	62.86	97.4	4094	3.33	05/15/2024
Boron		25.0		**903**	1000	9.949	89.3	1050	15.00	05/14/2024
Cadmium		1.0		**85.0**	100.0	0	85.0	89.87	5.56	05/15/2024
Chromium		1.5		**334**	400.0	0.9918	83.2	342.6	2.65	05/15/2024
Cobalt		1.0		**898**	1000	0	89.8	908.7	1.23	05/15/2024
Lead		1.0		**857**	1000	0	85.7	853.6	0.34	05/15/2024
Manganese		2.0		**992**	1000	68.13	92.4	1133	13.22	05/14/2024
Zinc		15.0		**829**	1000	0	82.9	939.3	12.46	05/14/2024

Batch 222458 **SampType:** MS Units **µg/L**

SampID: 24050001-008EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**477**	500.0	2.968	94.8	75	125	05/15/2024
Lead		1.0		**475**	500.0	0	95.0	75	125	05/15/2024

Batch 222458 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24050001-008EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**490**	500.0	2.968	97.5	476.9	2.75	05/15/2024
Lead		1.0		**484**	500.0	0	96.8	475.0	1.91	05/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222460 **SampType:** MBLK Units **µg/L**

SampID: MBLK-222460

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	05/08/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	05/08/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	05/07/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	05/08/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	05/08/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	05/07/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	05/08/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	05/08/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	05/08/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	05/08/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	05/07/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	05/08/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	05/07/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	05/08/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	05/07/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	05/07/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	05/07/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	05/08/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	05/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222460 **SampType:** LCS Units **µg/L**

SampID: LCS-222460

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1680**	2000	0	83.8	80	120	05/08/2024
Antimony		1.0		**440**	500.0	0	88.0	80	120	05/08/2024
Arsenic		1.0		**473**	500.0	0	94.7	80	120	05/07/2024
Beryllium		1.0		**43.9**	50.00	0	87.9	80	120	05/08/2024
Boron		25.0		**441**	500.0	0	88.3	80	120	05/08/2024
Cadmium		1.0		**47.2**	50.00	0	94.3	80	120	05/07/2024
Chromium		1.5		**184**	200.0	0	91.8	80	120	05/08/2024
Cobalt		1.0		**464**	500.0	0	92.7	80	120	05/08/2024
Copper		1.0		**240**	250.0	0	95.9	80	120	05/08/2024
Iron		25.0		**1730**	2000	0	86.6	80	120	05/08/2024
Lead		1.0		**477**	500.0	0	95.4	80	120	05/07/2024
Manganese		2.0		**455**	500.0	0	91.1	80	120	05/08/2024
Molybdenum		1.5		**479**	500.0	0	95.9	80	120	05/07/2024
Nickel		1.0		**462**	500.0	0	92.4	80	120	05/08/2024
Selenium		1.0		**495**	500.0	0	99.0	80	120	05/07/2024
Silver		1.0		**43.3**	50.00	0	86.7	80	120	05/07/2024
Thallium		2.0		**235**	250.0	0	93.9	80	120	05/07/2024
Vanadium		5.0		**446**	500.0	0	89.2	80	120	05/08/2024
Zinc		15.0		**411**	500.0	0	82.3	80	120	05/08/2024

Batch 222460 **SampType:** MS Units **µg/L**

SampID: 24041541-004GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**424**	500.0	0	84.8	75	125	05/08/2024
Arsenic		1.0		**478**	500.0	0	95.5	75	125	05/07/2024
Barium		1.0		**2120**	2000	16.75	105.0	75	125	05/07/2024
Boron		25.0		**451**	500.0	0	90.1	75	125	05/08/2024
Cadmium		1.0		**46.0**	50.00	0	92.1	75	125	05/07/2024
Chromium		1.5		**179**	200.0	0.7767	89.2	75	125	05/08/2024
Cobalt		1.0		**436**	500.0	0	87.2	75	125	05/08/2024
Lead		1.0		**482**	500.0	0	96.4	75	125	05/07/2024
Manganese		2.0		**453**	500.0	0	90.6	75	125	05/08/2024
Zinc		15.0		**408**	500.0	0	81.7	75	125	05/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222460 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24041541-004GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**457**	500.0	0	91.5	423.8	7.63	05/08/2024
Arsenic		1.0		**492**	500.0	0	98.5	477.5	3.06	05/07/2024
Barium		1.0		**2170**	2000	16.75	107.5	2117	2.31	05/07/2024
Boron		25.0		**470**	500.0	0	94.0	450.5	4.19	05/08/2024
Cadmium		1.0		**46.8**	50.00	0	93.7	46.04	1.70	05/07/2024
Chromium		1.5		**181**	200.0	0.7767	90.3	179.2	1.23	05/08/2024
Cobalt		1.0		**444**	500.0	0	88.8	436.2	1.78	05/08/2024
Lead		1.0		**486**	500.0	0	97.2	481.9	0.82	05/07/2024
Manganese		2.0		**458**	500.0	0	91.6	453.0	1.05	05/08/2024
Zinc		15.0		**400**	500.0	0	80.1	408.4	2.02	05/08/2024

Batch 222799 **SampType:** MBLK Units **µg/L**

SampID: MBLK-222799

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	05/14/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	05/14/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	05/14/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	05/14/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	05/14/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	05/14/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	05/14/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	05/14/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	05/14/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	05/14/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	05/14/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	05/14/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	05/14/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	05/16/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	05/14/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	05/14/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	05/14/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	05/14/2024
Zinc		15.0	S	**16.5**	5.900	0	280.3	-100	100	05/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222799 **SampType:** LCS Units **µg/L**

SampID: LCS-222799

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1800**	2000	0	89.8	80	120	05/14/2024
Antimony		1.0		**435**	500.0	0	86.9	80	120	05/14/2024
Arsenic		1.0		**464**	500.0	0	92.9	80	120	05/14/2024
Barium		1.0		**1860**	2000	0	93.2	80	120	05/14/2024
Beryllium		1.0		**42.9**	50.00	0	85.7	80	120	05/14/2024
Boron		25.0		**433**	500.0	0	86.7	80	120	05/14/2024
Cadmium		1.0		**44.9**	50.00	0	89.8	80	120	05/14/2024
Chromium		1.5		**187**	200.0	0	93.5	80	120	05/14/2024
Cobalt		1.0		**448**	500.0	0	89.5	80	120	05/14/2024
Copper		1.0		**227**	250.0	0	90.8	80	120	05/14/2024
Iron		25.0		**1780**	2000	0	88.9	80	120	05/14/2024
Lead		1.0		**466**	500.0	0	93.1	80	120	05/14/2024
Manganese		2.0		**458**	500.0	0	91.6	80	120	05/14/2024
Molybdenum		1.5		**432**	500.0	0	86.3	80	120	05/14/2024
Nickel		1.0		**447**	500.0	0	89.3	80	120	05/14/2024
Selenium		1.0		**504**	500.0	0	100.8	80	120	05/14/2024
Silver		1.0		**43.2**	50.00	0	86.4	80	120	05/14/2024
Thallium		2.0		**228**	250.0	0	91.3	80	120	05/14/2024
Vanadium		5.0		**447**	500.0	0	89.3	80	120	05/14/2024
Zinc		15.0	B	**418**	500.0	0	83.6	80	120	05/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222799 **SampType:** MS Units **µg/L**

SampID: 24041541-042DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1820**	2000	0	90.8	75	125	05/14/2024
Antimony		1.0		**499**	500.0	0.5213	99.8	75	125	05/14/2024
Arsenic		1.0		**461**	500.0	0	92.1	75	125	05/14/2024
Barium		1.0		**1860**	2000	33.16	91.4	75	125	05/14/2024
Beryllium		1.0		**46.4**	50.00	0	92.8	75	125	05/14/2024
Boron		25.0		**461**	500.0	0	92.2	75	125	05/14/2024
Cadmium		1.0		**46.7**	50.00	0	93.4	75	125	05/14/2024
Chromium		1.5		**188**	200.0	0.8191	93.5	75	125	05/14/2024
Cobalt		1.0		**451**	500.0	0	90.1	75	125	05/14/2024
Copper		1.0		**227**	250.0	0	90.9	75	125	05/14/2024
Iron		25.0		**1820**	2000	22.62	89.6	75	125	05/14/2024
Lead		1.0		**460**	500.0	0	92.0	75	125	05/14/2024
Manganese		2.0		**494**	500.0	33.81	92.0	75	125	05/14/2024
Molybdenum		1.5		**426**	500.0	0	85.1	75	125	05/17/2024
Nickel		1.0		**453**	500.0	0	90.7	75	125	05/14/2024
Selenium		1.0		**459**	500.0	0.7015	91.6	75	125	05/14/2024
Silver		1.0		**42.9**	50.00	0	85.8	75	125	05/14/2024
Thallium		2.0		**217**	250.0	0	86.8	75	125	05/14/2024
Vanadium		5.0		**453**	500.0	0	90.5	75	125	05/14/2024
Zinc		15.0	B	**433**	500.0	0	86.6	75	125	05/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222799 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24041541-042DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1830**	2000	0	91.5	1815	0.83	05/14/2024
Antimony		1.0		**503**	500.0	0.5213	100.5	499.3	0.79	05/14/2024
Arsenic		1.0		**454**	500.0	0	90.7	460.6	1.54	05/14/2024
Barium		1.0		**1880**	2000	33.16	92.5	1860	1.20	05/14/2024
Beryllium		1.0		**45.9**	50.00	0	91.8	46.42	1.07	05/14/2024
Boron		25.0		**463**	500.0	0	92.5	461.0	0.36	05/14/2024
Cadmium		1.0		**46.5**	50.00	0	92.9	46.70	0.49	05/14/2024
Chromium		1.5		**188**	200.0	0.8191	93.6	187.8	0.15	05/14/2024
Cobalt		1.0		**447**	500.0	0	89.4	450.6	0.78	05/14/2024
Copper		1.0		**224**	250.0	0	89.6	227.1	1.35	05/14/2024
Iron		25.0		**1810**	2000	22.62	89.5	1816	0.21	05/14/2024
Lead		1.0		**459**	500.0	0	91.8	460.2	0.28	05/14/2024
Manganese		2.0		**491**	500.0	33.81	91.4	493.8	0.65	05/14/2024
Molybdenum		1.5		**428**	500.0	0	85.7	425.7	0.64	05/17/2024
Nickel		1.0		**445**	500.0	0	89.0	453.3	1.85	05/14/2024
Selenium		1.0		**450**	500.0	0.7015	89.9	458.8	1.88	05/14/2024
Silver		1.0		**43.0**	50.00	0	86.0	42.88	0.25	05/14/2024
Thallium		2.0		**218**	250.0	0	87.2	217.0	0.50	05/14/2024
Vanadium		5.0		**453**	500.0	0	90.7	452.6	0.15	05/14/2024
Zinc		15.0	B	**427**	500.0	0	85.5	432.9	1.28	05/14/2024

Batch 222799 **SampType:** MS Units µg/L

SampID: 24050464-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**473**	500.0	0	94.7	75	125	05/16/2024
Arsenic		1.0		**500**	500.0	0	100.1	75	125	05/16/2024
Lead		1.0		**500**	500.0	0	100.0	75	125	05/16/2024
Selenium		1.0		**512**	500.0	0	102.4	75	125	05/16/2024
Thallium		2.0		**239**	250.0	0	95.5	75	125	05/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222799 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24050464-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**472**	500.0	0	94.4	473.4	0.27	05/16/2024
Arsenic		1.0		**488**	500.0	0	97.6	500.5	2.55	05/16/2024
Lead		1.0		**476**	500.0	0	95.1	500.2	5.04	05/16/2024
Selenium		1.0		**508**	500.0	0	101.7	512.0	0.72	05/16/2024
Thallium		2.0		**235**	250.0	0	94.2	238.9	1.47	05/16/2024

Batch 223767 **SampType:** MBLK Units µg/L

SampID: MBLK-223767

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	06/04/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	06/04/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	06/04/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	06/04/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	06/04/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	06/04/2024

Batch 223767 **SampType:** LCS Units µg/L

SampID: LCS-223767

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**412**	500.0	0	82.4	80	120	06/04/2024
Barium		1.0		**1740**	2000	0	86.9	80	120	06/04/2024
Copper		1.0		**218**	250.0	0	87.2	80	120	06/04/2024
Lead		1.0		**425**	500.0	0	85.0	80	120	06/04/2024
Nickel		1.0		**425**	500.0	0	84.9	80	120	06/04/2024
Zinc		15.0		**427**	500.0	0	85.4	80	120	06/04/2024

Batch 223767 **SampType:** MS Units µg/L

SampID: 24041541-034DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nickel		1.0		**423**	500.0	0	84.5	75	125	06/04/2024

Batch 223767 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24041541-034DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nickel		1.0		**391**	500.0	0	78.3	422.5	7.62	06/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 223767 **SampType:** MS Units **µg/L**
SampID: 24041541-086DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium		1.0		**2010**	2000	65.55	97.5	75	125	06/04/2024

Batch 223767 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 24041541-086DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium		1.0		**1730**	2000	65.55	83.2	2015	15.25	06/04/2024

Batch 224006 **SampType:** MBLK Units **µg/L**
SampID: MBLK-224006

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	06/06/2024

Batch 224006 **SampType:** LCS Units **µg/L**
SampID: LCS-224006

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**447**	500.0	0	89.4	80	120	06/06/2024

Batch 224006 **SampType:** MS Units **µg/L**
SampID: 24041541-021GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**807**	1000	0	80.7	75	125	06/06/2024

Batch 224006 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 24041541-021GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0	R	**989**	1000	0	98.9	807.0	20.24	06/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222328 **SampType:** MBLK Units **µg/L**

SampID: MBLK-222328

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	05/07/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	05/09/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	05/07/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	05/07/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	05/07/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	05/07/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	05/07/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	05/07/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	05/07/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	05/07/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	05/07/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	05/07/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	05/07/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	05/07/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	05/07/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	05/07/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	05/07/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	05/07/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	05/07/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	05/07/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	05/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222328 **SampType:** LCS Units **µg/L**

SampID: LCS-222328

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1950**	2000	0	97.3	80	120	05/07/2024
Antimony		1.0		**545**	500.0	0	108.9	80	120	05/09/2024
Arsenic		1.0		**536**	500.0	0	107.2	80	120	05/07/2024
Barium		1.0		**2340**	2000	0	116.8	80	120	05/07/2024
Beryllium		1.0		**55.1**	50.00	0	110.2	80	120	05/07/2024
Boron		25.0		**556**	500.0	0	111.2	80	120	05/07/2024
Cadmium		1.0		**54.9**	50.00	0	109.8	80	120	05/07/2024
Chromium		1.5		**230**	200.0	0	115.2	80	120	05/07/2024
Cobalt		1.0		**530**	500.0	0	106.0	80	120	05/07/2024
Copper		1.0		**282**	250.0	0	112.9	80	120	05/07/2024
Iron		25.0		**2100**	2000	0	105.2	80	120	05/07/2024
Lead		1.0		**532**	500.0	0	106.5	80	120	05/07/2024
Lithium	*	3.0		**567**	500.0	0	113.4	80	120	05/07/2024
Manganese		2.0		**548**	500.0	0	109.5	80	120	05/07/2024
Molybdenum		1.5		**529**	500.0	0	105.7	80	120	05/07/2024
Nickel		1.0		**558**	500.0	0	111.6	80	120	05/07/2024
Selenium		1.0		**547**	500.0	0	109.3	80	120	05/07/2024
Silver		1.0		**50.7**	50.00	0	101.5	80	120	05/07/2024
Thallium		2.0		**259**	250.0	0	103.5	80	120	05/07/2024
Vanadium		5.0		**544**	500.0	0	108.8	80	120	05/07/2024
Zinc		15.0		**512**	500.0	0	102.5	80	120	05/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222328 **SampType:** MS Units **µg/L**

SampID: 24041541-069BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**540**	500.0	0	108.0	75	125	05/09/2024
Arsenic		1.0		**543**	500.0	0.6306	108.4	75	125	05/07/2024
Barium		1.0		**2390**	2000	15.20	118.6	75	125	05/07/2024
Beryllium		1.0		**52.2**	50.00	0	104.4	75	125	05/07/2024
Boron		25.0		**665**	500.0	132.8	106.4	75	125	05/07/2024
Cadmium		1.0		**52.8**	50.00	0	105.5	75	125	05/07/2024
Chromium		1.5		**221**	200.0	5.957	107.3	75	125	05/07/2024
Cobalt		1.0		**527**	500.0	2.055	105.1	75	125	05/07/2024
Lead		1.0		**555**	500.0	0	111.0	75	125	05/07/2024
Lithium	*	3.0		**554**	500.0	5.324	109.7	75	125	05/07/2024
Molybdenum		1.5		**494**	500.0	1.568	98.4	75	125	05/07/2024
Selenium		1.0		**532**	500.0	0	106.5	75	125	05/07/2024
Thallium		2.0		**278**	250.0	0	111.1	75	125	05/07/2024

Batch 222328 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24041541-069BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**535**	500.0	0	106.9	540.0	0.99	05/09/2024
Arsenic		1.0		**553**	500.0	0.6306	110.5	542.6	1.92	05/07/2024
Barium		1.0		**2340**	2000	15.20	116.3	2387	1.91	05/07/2024
Beryllium		1.0		**51.7**	50.00	0	103.3	52.19	1.01	05/07/2024
Boron		25.0		**654**	500.0	132.8	104.3	664.7	1.61	05/07/2024
Cadmium		1.0		**51.3**	50.00	0	102.5	52.77	2.93	05/07/2024
Chromium		1.5		**220**	200.0	5.957	107.1	220.6	0.16	05/07/2024
Cobalt		1.0		**519**	500.0	2.055	103.3	527.4	1.69	05/07/2024
Lead		1.0		**548**	500.0	0	109.5	555.1	1.37	05/07/2024
Lithium	*	3.0		**537**	500.0	5.324	106.4	554.0	3.09	05/07/2024
Molybdenum		1.5		**485**	500.0	1.568	96.7	493.7	1.82	05/07/2024
Selenium		1.0		**542**	500.0	0	108.4	532.3	1.86	05/07/2024
Thallium		2.0		**274**	250.0	0	109.8	277.8	1.21	05/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222392 **SampType:** MBLK Units **µg/L**

SampID: MBLK-222392

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	05/07/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	05/09/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	05/07/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	05/07/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	05/07/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	05/07/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	05/07/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	05/08/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	05/07/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	05/07/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	05/07/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	05/07/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	05/07/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	05/07/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	05/07/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	05/07/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	05/07/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	05/07/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	05/07/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	05/07/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	05/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222392 **SampType:** LCS Units **µg/L**

SampID: LCS-222392

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1930**	2000	0	96.6	80	120	05/07/2024
Antimony		1.0		**539**	500.0	0	107.9	80	120	05/09/2024
Arsenic		1.0		**533**	500.0	0	106.7	80	120	05/07/2024
Barium		1.0		**2320**	2000	0	115.8	80	120	05/07/2024
Beryllium		1.0		**53.9**	50.00	0	107.9	80	120	05/07/2024
Boron		25.0		**533**	500.0	0	106.6	80	120	05/07/2024
Cadmium		1.0		**51.0**	50.00	0	102.1	80	120	05/07/2024
Chromium		1.5		**199**	200.0	0	99.3	80	120	05/08/2024
Cobalt		1.0		**529**	500.0	0	105.8	80	120	05/07/2024
Copper		1.0		**276**	250.0	0	110.3	80	120	05/07/2024
Iron		25.0		**2070**	2000	0	103.5	80	120	05/07/2024
Lead		1.0		**528**	500.0	0	105.5	80	120	05/07/2024
Lithium	*	3.0		**534**	500.0	0	106.8	80	120	05/07/2024
Manganese		2.0		**534**	500.0	0	106.8	80	120	05/07/2024
Molybdenum		1.5		**511**	500.0	0	102.2	80	120	05/07/2024
Nickel		1.0		**532**	500.0	0	106.4	80	120	05/07/2024
Selenium		1.0		**543**	500.0	0	108.5	80	120	05/07/2024
Silver		1.0		**48.2**	50.00	0	96.3	80	120	05/07/2024
Thallium		2.0		**257**	250.0	0	102.7	80	120	05/07/2024
Vanadium		5.0		**538**	500.0	0	107.6	80	120	05/07/2024
Zinc		15.0		**503**	500.0	0	100.6	80	120	05/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222414 **SampType:** MBLK Units **µg/L**

SampID: MBLK-222414

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	05/09/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	05/10/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	05/10/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	05/09/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	05/09/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	05/09/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	05/13/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	05/09/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	05/10/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	05/09/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	05/09/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	05/09/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	05/09/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	05/09/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	05/09/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	05/09/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	05/09/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	05/09/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	05/09/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	05/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222414 **SampType:** LCS Units **µg/L**

SampID: LCS-222414

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1920**	2000	0	96.1	80	120	05/09/2024
Antimony		1.0		**565**	500.0	0	113.0	80	120	05/10/2024
Arsenic		1.0		**529**	500.0	0	105.9	80	120	05/10/2024
Barium		1.0		**2250**	2000	0	112.7	80	120	05/09/2024
Beryllium		1.0		**50.4**	50.00	0	100.9	80	120	05/09/2024
Boron		25.0		**507**	500.0	0	101.4	80	120	05/09/2024
Cadmium		1.0		**51.7**	50.00	0	103.4	80	120	05/13/2024
Cadmium		1.0		**51.7**	50.00	0	103.4	80	120	05/13/2024
Chromium		1.5		**208**	200.0	0	104.0	80	120	05/09/2024
Cobalt		1.0		**530**	500.0	0	106.1	80	120	05/10/2024
Copper		1.0		**254**	250.0	0	101.5	80	120	05/09/2024
Iron		25.0		**1970**	2000	0	98.4	80	120	05/09/2024
Lead		1.0		**502**	500.0	0	100.5	80	120	05/09/2024
Lithium	*	3.0		**518**	500.0	0	103.6	80	120	05/09/2024
Manganese		2.0		**511**	500.0	0	102.3	80	120	05/09/2024
Molybdenum		1.5		**479**	500.0	0	95.8	80	120	05/09/2024
Nickel		1.0		**493**	500.0	0	98.6	80	120	05/09/2024
Selenium		1.0		**536**	500.0	0	107.2	80	120	05/09/2024
Thallium		2.0		**244**	250.0	0	97.7	80	120	05/09/2024
Vanadium		5.0		**496**	500.0	0	99.2	80	120	05/09/2024
Zinc		15.0		**481**	500.0	0	96.3	80	120	05/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222461 **SampType:** MBLK Units µg/L

SampID: MBLK-222461

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	05/09/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/08/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/10/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/08/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/10/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/09/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/09/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/10/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/09/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/10/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/09/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/13/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/10/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/09/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/10/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/09/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/10/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/09/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/10/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/08/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/09/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/10/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/09/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/10/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/16/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/09/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/09/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/10/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/10/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/08/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	05/10/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/08/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/09/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/10/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/10/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222461 **SampType:** MBLK Units µg/L
SampID: MBLK-222461

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

Batch 222461 **SampType:** LCS Units µg/L
SampID: LCS-222461

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**475**	500.0	0	95.0	80	120	05/08/2024
Antimony		1.0		**560**	500.0	0	112.1	80	120	05/10/2024
Arsenic		1.0		**498**	500.0	0	99.6	80	120	05/08/2024
Arsenic		1.0		**510**	500.0	0	101.9	80	120	05/10/2024
Barium		1.0		**2180**	2000	0	108.9	80	120	05/09/2024
Beryllium		1.0		**48.3**	50.00	0	96.6	80	120	05/10/2024
Boron		25.0		**485**	500.0	0	96.9	80	120	05/10/2024
Cadmium		1.0		**54.6**	50.00	0	109.3	80	120	05/13/2024
Chromium		1.5		**205**	200.0	0	102.7	80	120	05/10/2024
Cobalt		1.0		**510**	500.0	0	102.0	80	120	05/10/2024
Copper		1.0		**259**	250.0	0	103.6	80	120	05/10/2024
Iron		25.0		**1970**	2000	0	98.7	80	120	05/10/2024
Lead		1.0		**502**	500.0	0	100.3	80	120	05/08/2024
Lithium	*	3.0		**482**	500.0	0	96.4	80	120	05/10/2024
Manganese		2.0		**515**	500.0	0	102.9	80	120	05/10/2024
Molybdenum		1.5		**417**	500.0	0	83.5	80	120	05/16/2024
Nickel		1.0		**514**	500.0	0	102.8	80	120	05/10/2024
Selenium		1.0		**524**	500.0	0	104.7	80	120	05/10/2024
Selenium		1.0		**490**	500.0	0	98.1	80	120	05/08/2024
Silver		1.0		**45.5**	50.00	0	91.0	80	120	05/10/2024
Thallium		2.0		**239**	250.0	0	95.4	80	120	05/09/2024
Vanadium		5.0		**490**	500.0	0	98.1	80	120	05/10/2024
Zinc		15.0		**469**	500.0	0	93.9	80	120	05/10/2024

Batch 222461 **SampType:** MS Units µg/L
SampID: 24050273-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**475**	500.0	0.5302	94.8	75	125	05/08/2024
Arsenic		1.0		**477**	500.0	1.562	95.1	75	125	05/08/2024
Lead		1.0		**495**	500.0	0	99.0	75	125	05/08/2024
Selenium		1.0		**476**	500.0	0	95.3	75	125	05/08/2024
Thallium		2.0		**221**	250.0	1.555	87.7	75	125	05/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222461 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24050273-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**457**	500.0	0.5302	91.3	474.7	3.80	05/08/2024
Arsenic		1.0		**474**	500.0	1.562	94.4	477.3	0.74	05/08/2024
Lead		1.0		**464**	500.0	0	92.9	495.1	6.40	05/08/2024
Selenium		1.0		**476**	500.0	0	95.2	476.4	0.13	05/08/2024
Thallium		2.0		**229**	250.0	1.555	91.0	220.8	3.62	05/08/2024

Batch 222639 **SampType:** MBLK Units **µg/L**

SampID: MBLK-222639

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	05/13/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	05/14/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	05/10/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	05/13/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	05/13/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	05/13/2024
Calcium		125		**< 125**	70.00	0	0	-100	100	05/13/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	05/13/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	05/13/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	05/13/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	05/13/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	05/10/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	05/13/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	05/13/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	05/13/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	05/13/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	05/13/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	05/13/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	05/10/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	05/13/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	05/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222639 **SampType:** LCS Units **µg/L**

SampID: LCS-222639

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2150**	2000	0	107.5	80	120	05/13/2024
Antimony		1.0		**589**	500.0	0	117.7	80	120	05/14/2024
Barium		1.0		**2220**	2000	0	110.9	80	120	05/10/2024
Beryllium		1.0		**51.5**	50.00	0	103.0	80	120	05/13/2024
Boron		25.0		**488**	500.0	0	97.6	80	120	05/13/2024
Cadmium		1.0		**53.9**	50.00	0	107.7	80	120	05/13/2024
Calcium		125		**2790**	2500	0	111.6	80	120	05/13/2024
Chromium		1.5		**218**	200.0	0	109.1	80	120	05/13/2024
Cobalt		1.0		**531**	500.0	0	106.3	80	120	05/13/2024
Copper		1.0		**272**	250.0	0	108.9	80	120	05/13/2024
Iron		25.0		**2090**	2000	0	104.7	80	120	05/13/2024
Lead		1.0		**499**	500.0	0	99.7	80	120	05/10/2024
Lithium	*	3.0		**512**	500.0	0	102.4	80	120	05/13/2024
Manganese		2.0		**545**	500.0	0	109.0	80	120	05/13/2024
Molybdenum		1.5		**488**	500.0	0	97.5	80	120	05/13/2024
Nickel		1.0		**522**	500.0	0	104.4	80	120	05/13/2024
Selenium		1.0		**556**	500.0	0	111.2	80	120	05/13/2024
Silver		1.0		**51.3**	50.00	0	102.6	80	120	05/13/2024
Thallium		2.0		**240**	250.0	0	96.0	80	120	05/10/2024
Vanadium		5.0		**521**	500.0	0	104.2	80	120	05/13/2024
Zinc		15.0		**497**	500.0	0	99.4	80	120	05/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222639 **SampType:** MS Units **µg/L**

SampID: 24041541-053CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3000**	2000	1001	100.0	75	125	05/13/2024
Antimony		1.0		**595**	500.0	0.5594	118.9	75	125	05/15/2024
Arsenic		1.0		**508**	500.0	0.5853	101.5	75	125	05/13/2024
Barium		1.0		**2220**	2000	49.59	108.7	75	125	05/10/2024
Beryllium		1.0		**51.2**	50.00	0	102.4	75	125	05/13/2024
Boron		25.0		**479**	500.0	0	95.7	75	125	05/13/2024
Cadmium		1.0		**51.3**	50.00	0	102.7	75	125	05/13/2024
Chromium		1.5		**207**	200.0	2.444	102.3	75	125	05/13/2024
Cobalt		1.0		**488**	500.0	0.4841	97.4	75	125	05/13/2024
Copper		1.0		**240**	250.0	1.764	95.2	75	125	05/13/2024
Iron		25.0		**3140**	2000	1179	98.3	75	125	05/13/2024
Lead		1.0		**489**	500.0	0.7038	97.7	75	125	05/10/2024
Lithium	*	3.0		**508**	500.0	4.660	100.6	75	125	05/13/2024
Manganese		2.0		**541**	500.0	34.07	101.4	75	125	05/13/2024
Molybdenum		1.5		**462**	500.0	1.025	92.2	75	125	05/13/2024
Nickel		1.0		**472**	500.0	1.787	94.1	75	125	05/13/2024
Selenium		1.0		**516**	500.0	0	103.2	75	125	05/13/2024
Silver		1.0		**46.1**	50.00	0	92.1	75	125	05/13/2024
Thallium		2.0		**238**	250.0	0	95.4	75	125	05/10/2024
Vanadium		5.0		**500**	500.0	0	99.9	75	125	05/13/2024
Zinc		15.0		**465**	500.0	0	93.0	75	125	05/13/2024

Teklab, Inc.
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Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

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

Batch 222639 **SampType:** MSD Units µg/L RPD Limit 20
SampID: 24041541-053CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**3030**	2000	1001	101.6	3000	1.10	05/13/2024
Antimony		1.0		**568**	500.0	0.5594	113.4	594.8	4.67	05/15/2024
Arsenic		1.0		**532**	500.0	0.5853	106.2	507.9	4.60	05/13/2024
Barium		1.0		**2140**	2000	49.59	104.5	2223	3.86	05/10/2024
Beryllium		1.0		**52.0**	50.00	0	104.1	51.22	1.59	05/13/2024
Boron		25.0		**492**	500.0	0	98.3	478.7	2.68	05/13/2024
Cadmium		1.0		**50.9**	50.00	0	101.9	51.34	0.81	05/13/2024
Chromium		1.5		**213**	200.0	2.444	105.0	207.0	2.65	05/13/2024
Cobalt		1.0		**502**	500.0	0.4841	100.3	487.6	2.86	05/13/2024
Copper		1.0		**253**	250.0	1.764	100.3	239.9	5.14	05/13/2024
Iron		25.0		**3200**	2000	1179	101.0	3145	1.74	05/13/2024
Lead		1.0		**484**	500.0	0.7038	96.6	489.2	1.11	05/10/2024
Lithium	*	3.0		**527**	500.0	4.660	104.5	507.7	3.76	05/13/2024
Manganese		2.0		**564**	500.0	34.07	105.9	541.3	4.05	05/13/2024
Molybdenum		1.5		**473**	500.0	1.025	94.5	461.8	2.48	05/13/2024
Nickel		1.0		**489**	500.0	1.787	97.4	472.0	3.48	05/13/2024
Selenium		1.0		**540**	500.0	0	108.0	515.9	4.58	05/13/2024
Silver		1.0		**48.4**	50.00	0	96.9	46.07	4.99	05/13/2024
Thallium		2.0		**236**	250.0	0	94.5	238.5	0.96	05/10/2024
Vanadium		5.0		**509**	500.0	0	101.8	499.7	1.83	05/13/2024
Zinc		15.0		**480**	500.0	0	96.0	464.8	3.24	05/13/2024

Batch 222639 **SampType:** MS Units µg/L
SampID: 24050465-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**694**	500.0	157.0	107.5	75	125	05/13/2024
Calcium		125	S	**66100**	2500	57460	344.3	75	125	05/13/2024

Batch 222639 **SampType:** MSD Units µg/L RPD Limit 20
SampID: 24050465-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Beryllium		1.0		**54.2**	50.00	0	108.3	53.49	1.24	05/13/2024
Calcium		125	S	**68600**	2500	57460	445.0	66070	3.74	05/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222656 **SampType:** MBLK Units **µg/L**

SampID: MBLK-222656

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	05/14/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	05/16/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	05/14/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	05/14/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	05/14/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	05/14/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	05/14/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	05/14/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	05/14/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	05/14/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	05/14/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	05/14/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	05/14/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	05/14/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	05/14/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	05/14/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	05/14/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	05/14/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	05/14/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	05/14/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	05/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222656 **SampType:** LCS Units **µg/L**

SampID: LCS-222656

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1970**	2000	0	98.6	80	120	05/14/2024
Antimony		1.0	S	**622**	500.0	0	124.4	80	120	05/16/2024
Arsenic		1.0		**546**	500.0	0	109.2	80	120	05/14/2024
Barium		1.0		**2230**	2000	0	111.5	80	120	05/14/2024
Beryllium		1.0		**51.7**	50.00	0	103.5	80	120	05/14/2024
Boron		25.0		**497**	500.0	0	99.4	80	120	05/14/2024
Cadmium		1.0		**57.7**	50.00	0	115.3	80	120	05/14/2024
Chromium		1.5		**220**	200.0	0	110.0	80	120	05/14/2024
Cobalt		1.0		**573**	500.0	0	114.7	80	120	05/14/2024
Copper		1.0		**279**	250.0	0	111.7	80	120	05/14/2024
Iron		25.0		**2190**	2000	0	109.4	80	120	05/14/2024
Lead		1.0		**562**	500.0	0	112.3	80	120	05/14/2024
Lithium	*	3.0		**561**	500.0	0	112.2	80	120	05/14/2024
Manganese		2.0		**597**	500.0	0	119.4	80	120	05/14/2024
Molybdenum		1.5		**523**	500.0	0	104.7	80	120	05/14/2024
Nickel		1.0		**535**	500.0	0	107.0	80	120	05/14/2024
Selenium		1.0		**552**	500.0	0	110.5	80	120	05/14/2024
Silver		1.0		**53.8**	50.00	0	107.6	80	120	05/14/2024
Thallium		2.0		**267**	250.0	0	106.9	80	120	05/14/2024
Vanadium		5.0		**556**	500.0	0	111.3	80	120	05/14/2024
Zinc		15.0		**551**	500.0	0	110.3	80	120	05/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222728 **SampType:** MBLK Units **µg/L**

SampID: MBLK-222728

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	05/13/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	05/13/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	05/13/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	05/13/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	05/13/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	05/13/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	05/13/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	05/13/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	05/13/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	05/13/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	05/13/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	05/13/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	05/13/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	05/13/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	05/13/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	05/13/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	05/13/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	05/13/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	05/13/2024
Tin	*	5.0		**< 5.0**	0.5000	0	0	-100	100	05/16/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	05/13/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	05/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222728 **SampType:** LCS Units **µg/L**

SampID: LCS-222728

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1800**	2000	0	90.2	80	120	05/13/2024
Antimony		1.0		**582**	500.0	0	116.4	80	120	05/13/2024
Arsenic		1.0		**497**	500.0	0	99.3	80	120	05/13/2024
Barium		1.0		**2270**	2000	0	113.3	80	120	05/13/2024
Beryllium		1.0		**45.9**	50.00	0	91.8	80	120	05/13/2024
Boron		25.0		**464**	500.0	0	92.8	80	120	05/13/2024
Cadmium		1.0		**53.0**	50.00	0	105.9	80	120	05/13/2024
Chromium		1.5		**202**	200.0	0	100.8	80	120	05/13/2024
Cobalt		1.0		**528**	500.0	0	105.6	80	120	05/13/2024
Copper		1.0		**260**	250.0	0	103.9	80	120	05/13/2024
Iron		25.0		**2020**	2000	0	101.2	80	120	05/13/2024
Lead		1.0		**520**	500.0	0	104.0	80	120	05/13/2024
Lithium	*	3.0		**557**	500.0	0	111.4	80	120	05/13/2024
Manganese		2.0		**541**	500.0	0	108.2	80	120	05/13/2024
Molybdenum		1.5		**481**	500.0	0	96.2	80	120	05/13/2024
Nickel		1.0		**556**	500.0	0	111.2	80	120	05/13/2024
Selenium		1.0		**497**	500.0	0	99.4	80	120	05/13/2024
Silver		1.0		**50.2**	50.00	0	100.5	80	120	05/13/2024
Thallium		2.0		**246**	250.0	0	98.4	80	120	05/13/2024
Tin	*	5.0		**431**	500.0	0	86.3	80	120	05/16/2024
Vanadium		5.0		**517**	500.0	0	103.5	80	120	05/13/2024
Zinc		15.0		**492**	500.0	0	98.4	80	120	05/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 222728 **SampType:** MS Units **µg/L**

SampID: 24041541-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	S	**627**	500.0	0.8515	125.2	75	125	05/14/2024
Arsenic		1.0		**534**	500.0	0.7045	106.7	75	125	05/14/2024
Barium		1.0		**2450**	2000	47.32	120.0	75	125	05/14/2024
Beryllium		1.0		**47.6**	50.00	0	95.1	75	125	05/14/2024
Boron		25.0		**1310**	500.0	823.1	97.0	75	125	05/14/2024
Cadmium		1.0		**56.0**	50.00	0	112.1	75	125	05/14/2024
Chromium		1.5		**211**	200.0	2.382	104.3	75	125	05/14/2024
Cobalt		1.0		**538**	500.0	0.2411	107.5	75	125	05/14/2024
Lead		1.0		**556**	500.0	0	111.2	75	125	05/14/2024
Lithium	*	3.0		**622**	500.0	7.800	122.8	75	125	05/14/2024
Molybdenum		1.5		**422**	500.0	6.923	83.1	75	125	05/16/2024
Selenium		1.0		**530**	500.0	0	105.9	75	125	05/14/2024
Thallium		2.0		**266**	250.0	0	106.4	75	125	05/14/2024

Batch 222728 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24041541-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**598**	500.0	0.8515	119.5	626.9	4.66	05/14/2024
Arsenic		1.0		**536**	500.0	0.7045	107.0	534.1	0.31	05/14/2024
Barium		1.0		**2360**	2000	47.32	115.6	2447	3.67	05/14/2024
Beryllium		1.0		**48.0**	50.00	0	96.1	47.56	1.00	05/14/2024
Boron		25.0		**1310**	500.0	823.1	97.2	1308	0.09	05/14/2024
Cadmium		1.0		**53.8**	50.00	0	107.6	56.05	4.08	05/14/2024
Chromium		1.5		**208**	200.0	2.382	102.7	211.0	1.58	05/14/2024
Cobalt		1.0		**539**	500.0	0.2411	107.7	537.6	0.24	05/14/2024
Lead		1.0		**547**	500.0	0	109.5	556.1	1.58	05/14/2024
Lithium	*	3.0		**592**	500.0	7.800	116.8	621.6	4.92	05/14/2024
Molybdenum		1.5		**445**	500.0	6.923	87.7	422.3	5.28	05/16/2024
Selenium		1.0		**533**	500.0	0	106.6	529.5	0.66	05/14/2024
Thallium		2.0		**264**	250.0	0	105.7	266.0	0.72	05/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 223763 **SampType:** MBLK Units µg/L
SampID: MBLK-223763

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	06/06/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	06/06/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	06/06/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	06/06/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	06/06/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	06/06/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	06/06/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	06/06/2024

Batch 223763 **SampType:** LCS Units µg/L
SampID: LCS-223763

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**525**	500.0	0	105.0	80	120	06/06/2024
Boron		25.0		**454**	500.0	0	90.9	80	120	06/06/2024
Chromium		1.5		**191**	200.0	0	95.7	80	120	06/06/2024
Cobalt		1.0		**468**	500.0	0	93.5	80	120	06/06/2024
Copper		1.0		**234**	250.0	0	93.6	80	120	06/06/2024
Iron		25.0		**1910**	2000	0	95.7	80	120	06/06/2024
Lead		1.0		**475**	500.0	0	95.0	80	120	06/06/2024
Nickel		1.0		**461**	500.0	0	92.1	80	120	06/06/2024

Batch 223769 **SampType:** MBLK Units µg/L
SampID: MBLK-223769

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	06/04/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	06/04/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	06/04/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	06/05/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	06/04/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	06/04/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	06/04/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	06/05/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	06/04/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	06/04/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	06/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

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

Batch 223769 **SampType:** LCS Units **µg/L**
SampID: LCS-223769

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2010**	2000	0	100.6	80	120	06/04/2024
Arsenic		1.0		**480**	500.0	0	96.0	80	120	06/04/2024
Barium		1.0		**1900**	2000	0	95.1	80	120	06/04/2024
Boron		25.0		**473**	500.0	0	94.6	80	120	06/05/2024
Cadmium		1.0		**47.7**	50.00	0	95.3	80	120	06/04/2024
Cobalt		1.0		**462**	500.0	0	92.4	80	120	06/04/2024
Lead		1.0		**468**	500.0	0	93.6	80	120	06/04/2024
Lithium	*	3.0		**495**	500.0	0	99.0	80	120	06/05/2024
Molybdenum		1.5		**430**	500.0	0	86.0	80	120	06/04/2024
Selenium		1.0		**482**	500.0	0	96.4	80	120	06/04/2024
Thallium		2.0		**201**	250.0	0	80.5	80	120	06/05/2024

SW-846 7470A (DISSOLVED)

Batch 222472 **SampType:** MS Units **µg/L**
SampID: 24041541-024CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.24**	5.000	0.08220	103.1	75	125	05/06/2024

Batch 222472 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24041541-024CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.24**	5.000	0.08220	103.2	5.239	0.02	05/06/2024

Batch 222472 **SampType:** MS Units **µg/L**
SampID: 24041541-032DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.37**	5.000	0	107.4	75	125	05/06/2024

Batch 222472 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24041541-032DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.10**	5.000	0	101.9	5.371	5.25	05/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 7470A (DISSOLVED)

Batch 222481 **SampType:** MS Units µg/L
SampID: 24041541-037DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.39**	5.000	0	87.8	75	125	05/06/2024

Batch 222481 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24041541-037DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.28**	5.000	0	85.6	4.389	2.55	05/06/2024

Batch 222504 **SampType:** MS Units µg/L
SampID: 24041541-084HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**3.92**	5.000	0	78.4	75	125	05/21/2024

Batch 222504 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24041541-084HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20	SR	**3.16**	5.000	0	63.3	3.918	21.29	05/21/2024

Batch 222504 **SampType:** MS Units µg/L
SampID: 24050007-005GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.16**	5.000	0.1046	81.2	75	125	05/07/2024

Batch 222504 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24050007-005GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.05**	5.000	0.1046	79.0	4.162	2.68	05/07/2024

Batch 222670 **SampType:** MBLK Units µg/L
SampID: MBLK-222670

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	05/10/2024

Batch 222670 **SampType:** LCS Units µg/L
SampID: LCS-222670

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.44**	5.000	0	108.8	85	115	05/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 7470A (DISSOLVED)

Batch 222670 **SampType:** MS Units **µg/L**
SampID: 24041541-018GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.05**	5.000	0	101.0	75	125	05/14/2024

Batch 222670 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24041541-018GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.15**	5.000	0	103.1	5.050	2.05	05/14/2024

Batch 223077 **SampType:** MS Units **µg/L**
SampID: 24041541-095IMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.44**	5.000	0	88.8	75	125	05/21/2024

Batch 223077 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24041541-095IMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.47**	5.000	0	89.3	4.440	0.60	05/21/2024

Batch 223077 **SampType:** MS Units **µg/L**
SampID: 24050001-004EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.66**	5.000	0	93.3	75	125	05/22/2024

Batch 223077 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24050001-004EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.43**	5.000	0	88.7	4.664	5.09	05/22/2024

SW-846 7470A (TOTAL)

Batch 222438 **SampType:** MBLK Units **µg/L**
SampID: MBLK-222438

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	05/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 7470A (TOTAL)

Batch 222438 **SampType:** LCS Units µg/L
SampID: LCS-222438

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.51**	5.000	0	110.3	85	115	05/06/2024

Batch 222438 **SampType:** MS Units µg/L
SampID: 24041541-006GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.27**	5.000	0.3041	79.4	75	125	05/03/2024

Batch 222438 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24041541-006GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.46**	5.000	0.3041	83.1	4.272	4.24	05/03/2024

Batch 222472 **SampType:** MBLK Units µg/L
SampID: MBLK-222472

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	05/08/2024

Batch 222472 **SampType:** LCS Units µg/L
SampID: LCS-222472

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.50**	5.000	0	110.0	85	115	05/08/2024

Batch 222481 **SampType:** MBLK Units µg/L
SampID: MBLK-222481

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	05/14/2024

Batch 222481 **SampType:** LCS Units µg/L
SampID: LCS-222481

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20	S	**5.86**	5.000	0	117.2	85	115	05/14/2024

Batch 222482 **SampType:** MBLK Units µg/L
SampID: MBLK-222482

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	05/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 7470A (TOTAL)

Batch 222482 **SampType:** LCS Units µg/L
SampID: LCS-222482

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.38**	5.000	0	107.7	85	115	05/08/2024

Batch 222482 **SampType:** MS Units µg/L
SampID: 24041541-048BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.05**	5.000	0.5139	90.8	75	125	05/06/2024

Batch 222482 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24041541-048BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.11**	5.000	0.5139	91.9	5.053	1.07	05/06/2024

Batch 222482 **SampType:** MS Units µg/L
SampID: 24041541-066BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.36**	5.000	0.3407	100.4	75	125	05/14/2024

Batch 222482 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24041541-066BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.70**	5.000	0.3407	107.2	5.358	6.19	05/14/2024

Batch 222504 **SampType:** MBLK Units µg/L
SampID: MBLK-222504

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	05/08/2024

Batch 222504 **SampType:** LCS Units µg/L
SampID: LCS-222504

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20	S	**6.31**	5.000	0	126.2	85	115	05/08/2024
Mercury		0.20		**4.62**	5.000	0	92.4	85	115	05/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 7470A (TOTAL)

Batch 222725 **SampType:** MBLK Units µg/L
SampID: MBLK-222725

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	05/10/2024

Batch 222725 **SampType:** LCS Units µg/L
SampID: LCS-222725

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.73**	5.000	0	94.6	85	115	05/10/2024

Batch 222725 **SampType:** MS Units µg/L
SampID: 24041541-036CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.25**	5.000	0	84.9	75	125	05/17/2024

Batch 222725 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24041541-036CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.28**	5.000	0	85.6	4.246	0.77	05/17/2024

Batch 222921 **SampType:** MBLK Units µg/L
SampID: MBLK-222921

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	05/18/2024

Batch 222921 **SampType:** LCS Units µg/L
SampID: LCS-222921

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.41**	5.000	0	88.1	85	115	05/18/2024

Batch 222921 **SampType:** MS Units µg/L
SampID: 24041541-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.41**	5.000	0	88.2	75	125	05/18/2024

Batch 222921 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24041541-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.56**	5.000	0	91.2	4.409	3.38	05/18/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

SW-846 7470A (TOTAL)

Batch 222921 **SampType:** MS Units µg/L
SampID: 24041541-086CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.53**	5.000	0	90.5	75	125	05/18/2024

Batch 222921 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24041541-086CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.49**	5.000	0	89.8	4.525	0.78	05/18/2024

Batch 222984 **SampType:** MBLK Units µg/L
SampID: MBLK-222984

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	05/19/2024

Batch 222984 **SampType:** LCS Units µg/L
SampID: LCS-222984

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.59**	5.000	0	91.8	85	115	05/19/2024

Batch 223054 **SampType:** MBLK Units µg/L
SampID: MBLK-223054

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	05/17/2024

Batch 223054 **SampType:** LCS Units µg/L
SampID: LCS-223054

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.26**	5.000	0	105.3	85	115	05/17/2024

Batch 223054 **SampType:** MS Units µg/L
SampID: 24041541-099BMS

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	05/17/2024

Batch 223054 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24041541-099BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.77**	5.000	0	95.5	4.880	2.21	05/17/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041541

Client Project: COF-24Q2 **Report Date:** 17-Jun-24

SW-846 7470A (TOTAL)

Batch 223077 **SampType:** MBLK Units µg/L
SampID: MBLK-223077

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	05/21/2024

Batch 223077 **SampType:** LCS Units µg/L
SampID: LCS-223077

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.50**	5.000	0	90.1	85	115	05/21/2024

Batch 223153 **SampType:** MBLK Units µg/L
SampID: MBLK-223153

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	05/20/2024

Batch 223153 **SampType:** LCS Units µg/L
SampID: LCS-223153

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.65**	5.000	0	93.0	85	115	05/20/2024

Batch 223153 **SampType:** MS Units µg/L
SampID: 24041541-067BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**3.99**	5.000	0	79.8	75	125	05/20/2024

Batch 223153 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24041541-067BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**3.94**	5.000	0	78.8	3.991	1.34	05/20/2024

Batch 223672 **SampType:** MBLK Units µg/L
SampID: MBLK-223672

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	06/03/2024

Batch 223672 **SampType:** LCS Units µg/L
SampID: LCS-223672

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.96**	5.000	0	99.2	85	115	06/03/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Carrier: Payton Yoch

Received By: NR

Completed by: Nick Reed
On: 29-Apr-24

Reviewed by: Ellie Hopkins
On: 09-May-24

Pages to follow: Chain of custody 45 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 1.7
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 #96651/89660. - pschultz - 4/30/2024 7:51:31 AM

Per Tracy Carroll, some G411 containers may be marked as G410, and some G410 containers may be marked as G411 (bagging error during bottle prep). - ehurley - 4/30/2024 9:29:57 AM

Samples were received on 4/30/24 at 16:30 on ice [19.3C - LTG#5]. - nickreed - 4/30/2024 5:47:16 PM

Added Sodium Hydroxide(95613) to sample G153. Added Nitric Acid(97528) to sample G314, G314D, & G316. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. -pH strip #89960/96651. - nickreed - 4/30/2024 5:53:34 PM

Samples were received on 5/1/2024 at 16:31 on ice [12.1C - LTG#5]. - pschultz - 5/2/2024 8:39:06 AM

pH strip #96651/89660. - pschultz - 5/2/2024 8:39:45 AM

Additional Sodium Hydroxide (95443) preservative was needed for samples G122 and G272 upon arrival at the laboratory. - pschultz - 5/2/2024 8:39:49 AM

Samples were received on 5/2/24 at 16:15 on ice [16.1C - LTG#5]. Added Nitric Acid(97606) to sample G106 & G275D. Added Sodium Hydroxide(95443) to sample G401. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. pH strip #96651/89660. - nickreed - 5/2/2024 6:50:49 PM

Samples were received on 5/3/24 at 1148 on ice [16.3C - LTG5]. pH strip #89660/96651. Preservation checks for O&G analysis are to be

Receiving Check List

Client: Ramboll
Work Order: 24041541
Client Project: COF-24Q2
Report Date: 17-Jun-24

completed by the laboratory technician prior to analysis. - amberdilallo - 5/3/2024 12:46:21 PM

Samples were received on 5/6/24 at 1642 on ice [12.9C - LTG5]. Additional Nitric Acid (97606) was needed upon arrival at the laboratory for G285 and G302. pH strip #89660/96651. - amberdilallo - 5/7/2024 8:24:08 AM

Samples were received on 5/7/2024 at 16:02 on ice [16.7C - LTG#7]. - pschultz - 5/7/2024 5:07:35 PM

pH strip #96651/89660. LH - pschultz - 5/7/2024 5:07:38 PM

Additional Nitric Acid (97606) preservative was needed for samples G1001 and G276 upon arrival at the laboratory. LH - pschultz - 5/7/2024 5:07:41 PM

Samples were received on 5/8/24 at 1348 on ice [6.9C - LTG5]. Additional Nitric Acid (97737) was needed upon arrival at the laboratory for L203 and Field Blank. pH strip #89660/96651. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. - amberdilallo - 5/8/2024 4:27:38 PM

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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	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 WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE 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	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	G308	WT	G				2	1		1							X						X								24041541-065
2	G310	WT	G				2	1		1							X						X								24041541-066
3	G312	WT	G				2	1		1							X						X								24041541-067
4	G313	WT	G				2	1		1							X						X								24041541-068
5	G314	WT	G				2	1		1							X						X								24041541-069
6	G314D	WT	G				2	1		1							X						X								24041541-070
7	G315	WT	G				2	1		1							X						X								24041541-071
8	G316	WT	G				2	1		1							X						X								24041541-072
9	G401	WT	G				4	1		2		1						X							X			X				24041541-073
10	G402	WT	G				4	1		2		1						X							X			X				24041541-074
11	G403	WT	G				4	1		2		1						X							X			X				24041541-075
12	G404	WT	G				4	1		2		1						X							X			X				24041541-076
13	G405	WT	G				4	1		2		1						X							X			X				24041541-077
14	G406	WT	G				4	1		2		1						X							X			X				24041541-078
15	G407	WT	G	4-29-24	1452		4	1		2		1						X							X			X				24041541-079
16	G410	WT	G				4	1		2		1																X				24041541-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 0		4/29/24	0500		4/29/24	1700	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4-29-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

PM: 96651/89660

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
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 WW; WATER 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	G411	WT	G	4-24	1311		4	1		2		1														X				24041541-081
2	L203	WT	G				18	9	4	1	3	1											X								24041541-082
3	NE Riser	WT	G				0												X					X							24041541-083
4	R104	WT	G				15	6	3	2	3	1											X				X				24041541-084
5	R201	WT	G				6	2	1	2		1							X					X			X				24041541-085
6	R205	WT	G				6	2	1	2		1															X				24041541-086
7	SG-02	WT	G				0										X	X					X	X							24041541-087
8	SG-03	WT	G				0										X	X					X	X							24041541-088
9	T127	WT	G				14	6	3	1	3	1										X									24041541-089
10	T128	WT	G				14	6	3	1	3	1										X									24041541-090
11	X201	WT	G				2	1		1										X						X					24041541-091
12	XPW01	WT	G				2	1		1													X								24041541-092
13	XPW02	WT	G				2	1		1													X								24041541-093
14	XSG-01	WT	G				0										X						X								24041541-094
15	Field Blank	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-095
16	G102 Duplicate	WT	G				15	6	3	2	3	1										X						X			24041541-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q2 Rev 0		4/24/24	1500		4/29/24	1720
Blanks: filter upon arrival at the lab for dissolved parameters.						

SAMPLE CONDITIONS: Temp in °C: 2 | Received on Ice (Y/N): Y | Custody Sealed Cooler (Y/N): N | Samples Intact (Y/N): —

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4-29-24

LT6 43

24041541

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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D		WT	G				2	1		1												X								24041541-001
2	G1001		WT	G				2	1		1								X				X								24041541-002
3	G1003		WT	G				4	1		3								X				X						X		24041541-003
4	G101		WT	G				14	6	3	1	3	1																		24041541-004
5	G102		WT	G				15	6	3	2	3	1															X				24041541-005
6	G103		WT	G				15	6	3	2	3	1															X				24041541-006
7	G105		WT	G				15	6	3	2	3	1															X				24041541-007
8	G106		WT	G				15	6	3	2	3	1															X				24041541-008
9	G107		WT	G				14	6	3	1	3	1																			24041541-009
10	G108		WT	G				14	6	3	1	3	1																			24041541-010
11	G109		WT	G				14	6	3	1	3	1																			24041541-011
12	G110		WT	G	4-30-24	1448		14	6	3	1	3	1																			24041541-012
13	G111		WT	G	4-30-24	1411		14	6	3	1	3	1																			24041541-013
14	G119		WT	G				14	6	3	1	3	1																			24041541-014
15	G120		WT	G				14	6	3	1	3	1																			24041541-015
16	G121		WT	G				14	6	3	1	3	1																			24041541-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	4-30	16:30	Mitch Reed	4/30/24	1630	3 / 14 / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Culp

SIGNATURE of SAMPLER: Justin Culp DATE Signed (MM/DD/YY): 4-30-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ØHS 89760/96651

G153: Added NaOH(95613)

G314, G314D, & G316: Added HNO_3(97528)

LTG#5

CHAIN-OF-CUSTODY / Analytical Request Document

24041541

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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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122	WT	G				14	6	3	1	3	1										X									24041541-017
2	G123	WT	G				14	6	3	1	3	1										X									24041541-018
3	G124	WT	G				14	6	3	1	3	1										X									24041541-019
4	G125	WT	G				14	6	3	1	3	1										X									24041541-020
5	G126	WT	G				14	6	3	1	3	1										X									24041541-021
6	G151	WT	G	4-30-24	1011		4	2		1		1																	X		24041541-022
7	G152	WT	G	~~4-30-24~~			4	2		1		1																	X		24041541-023
8	G153	WT	G	4-30-24	1238		4	2		1		1																	X		24041541-024
9	G154	WT	G	4-30-24	1201		5	2		2		1															X		X		24041541-025
10	G155	WT	G	4-30-24	1121		4	2		1		1																	X		24041541-026
11	G200	WT	G				6	2	1	2		1							X						X			X			24041541-027
12	G206	WT	G	4-30-24	1028		6	2	1	2		1							X						X			X			24041541-028
13	G206D	WT	G	4-30-24	1058		2	1		1									X						X			X			24041541-029
14	G207	WT	G				6	2	1	2		1																X			24041541-030
15	G208	WT	G	4-30-24	1128		6	2	1	2		1																X			24041541-031
16	G209	WT	G				6	2	1	2		1							X						X			X			24041541-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	4-30	16:30	Mitch Bell	4/30/24	1630	2 Y N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Culp

SIGNATURE of SAMPLER: Justin Culp DATE Signed (MM/DD/YY): 4-30-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
4	Y	N	

24041541

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; 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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																								
1	G210	WT	G				6	2	1	2		1															X				24041541-033
2	G211	WT	G				6	2	1	2		1															X				24041541-034
3	G212	WT	G				6	2	1	2		1							X						X		X				24041541-035
4	G213	WT	G				6	2	1	2		1							X						X		X				24041541-036
5	G214	WT	G	4-30-24	1417		6	2	1	2		1															X				24041541-037
6	G215	WT	G	4-30-24	1319		6	2	1	2		1							X						X		X				24041541-038
7	G216	WT	G	4-30-24	1220		6	2	1	2		1															X				24041541-039
8	G217	WT	G				6	2	1	2		1							X						X		X				24041541-040
9	G218	WT	G				6	2	1	2		1							X						X		X				24041541-041
10	G219	WT	G				2	1		1																			X		24041541-104
11	G220	WT	G				2	1		1																			X		24041541-105
12	G270	WT	G				6	2	1	2		1					X			X				X		X	X	X				24041541-042
13	G271	WT	G				6	2	1	2		1								X						X		X				24041541-043
14	G272	WT	G				6	2	1	2		1								X						X		X				24041541-044
15	G273	WT	G				6	2	1	2		1								X						X		X				24041541-045
16	G274	WT	G				6	2	1	2		1															X				24041541-046

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Coup	4-30	16:30	Brian Reed	4/30/24	1630	5 / 14 / Y / N

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Coup	DATE Signed (MM/DD/YY):	4-30-24	Temp in °C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:				Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

24041541

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Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	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: 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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G307	WT	G				2	1		1							X						X									24041541-063
2	G307D	WT	G				2	1		1							X						X									24041541-064
3	G308	WT	G				2	1		1							X						X									24041541-065
4	G310	WT	G				2	1		1							X						X									24041541-066
5	G312	WT	G				2	1		1							X						X									24041541-067
6	G313	WT	G				2	1		1							X						X									24041541-068
7	G314	WT	G	4/30/24	1336		2	1		1							X						X									24041541-069
8	G314D	WT	G	4/30/24	1225		2	1		1							X						X									24041541-070
9	G315	WT	G				2	1		1							X						X									24041541-071
10	G316	WT	G	4/30/24	1122		2	1		1							X						X									24041541-072
11	G401	WT	G				4	1		2		1						X						X			X					24041541-073
12	G402	WT	G				4	1		2		1						X						X			X					24041541-074
13	G403	WT	G				4	1		2		1						X						X			X					24041541-075
14	G404	WT	G				4	1		2		1						X						X			X					24041541-076
15	G405	WT	G				4	1		2		1						X						X			X					24041541-077
16	G406	WT	G				4	1		2		1						X						X			X					24041541-078

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	4-30	16:30	Nick Reed	4/30/24	1620	5 / Y / N
							19

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Gil

SIGNATURE of SAMPLER: Justin Gil

DATE Signed (MM/DD/YY): 4-30-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
19			

CHAIN-OF-CUSTODY / Analytical Request Document

24041541

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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				4	1		2		1						X						X			X					24041541-079
2	G410	WT	G	4/30/24	1006		4	1		2		1															X					24041541-080
3	G411	WT	G				4	1		2		1															X					24041541-081
4	L203	WT	G				18	9	4	1	3	1											X									24041541-082
5	NE Riser	WT	G				0												X						X							24041541-083
6	R104	WT	G				15	6	3	2	3	1											X					X				24041541-084
7	R201	WT	G				6	2	1	2		1							X						X			X				24041541-085
8	R205	WT	G				6	2	1	2		1																X				24041541-086
9	SG-02	WT	G				0										X	X					X	X								24041541-087
10	SG-03	WT	G				0										X	X					X	X								24041541-088
11	T127	WT	G				14	6	3	1	3	1										X										24041541-089
12	T128	WT	G				14	6	3	1	3	1										X										24041541-090
13	X201	WT	G				2	1		1										X						X						24041541-091
14	XPW01	WT	G				2	1		1													X									24041541-092
15	XPW02	WT	G				2	1		1													X									24041541-093
16	XSG-01	WT	G				0										X						X									24041541-094

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Samuel Crump	4-30	16:30	[signature]	4/30/24	1630	7 ② z

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Culp

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 4-30-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
4			

Confidential

24041541 5541102

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

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G				2	1		1														X							24041541-001
2	G1001	WT	G				2	1		1								X						X							24041541-002
3	G1003	WT	G				4	1		3								X						X						X	24041541-003
4	G101	WT	G				14	6	3	1	3	1										X									24041541-004
5	G102	WT	G				15	6	3	2	3	1										X						X				24041541-005
6	G103	WT	G				15	6	3	2	3	1										X						X				24041541-006
7	G105	WT	G				15	6	3	2	3	1										X						X				24041541-007
8	G106	WT	G				15	6	3	2	3	1										X						X				24041541-008
9	G107	WT	G				14	6	3	1	3	1										X										24041541-009
10	G108	WT	G	5-1-24	1036		14	6	3	1	3	1										X										24041541-010
11	G109	WT	G	5-1-24	0953		14	6	3	1	3	1										X										24041541-011
12	G110	WT	G				14	6	3	1	3	1										X										24041541-012
13	G111	WT	G				14	6	3	1	3	1										X										24041541-013
14	G119	WT	G	5-1-24	1222		14	6	3	1	3	1										X										24041541-014
15	G120	WT	G	5-1-24	1254		14	6	3	1	3	1										X										24041541-015
16	G121	WT	G	5-1-24	1321		14	6	3	1	3	1										X										24041541-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5-1	1631	Emily Disell	5/1/24	1733	12.1 (Y) N
							0605

Added NaOH(95443) to G122 + G222
pH ✓ 9665/89660 BS 5/2
BHS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Culp

SIGNATURE of SAMPLER: Justin Culp DATE Signed (MM/DD/YY): 5-1-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

24041541

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122		WT	G	5-1-24	1359		14	6	3	1	3	1									X										24041541-017
2	G123		WT	G				14	6	3	1	3	1									X										24041541-018
3	G124		WT	G	5-1-24	1451		14	6	3	1	3	1									X										24041541-019
4	G125		WT	G				14	6	3	1	3	1									X										24041541-020
5	G126		WT	G				14	6	3	1	3	1									X										24041541-021
6	G151		WT	G				4	2		1		1																X			24041541-022
7	G152		WT	G				4	2		1		1																X			24041541-023
8	G153		WT	G				4	2		1		1																X			24041541-024
9	G154		WT	G				5	2		2		1														X		X			24041541-025
10	G155		WT	G				4	2		1		1																X			24041541-026
11	G200		WT	G				6	2	1	2		1							X						X		X				24041541-027
12	G206		WT	G				6	2	1	2		1							X						X		X				24041541-028
13	G206D		WT	G				2	1		1									X						X		X				24041541-029
14	G207		WT	G				6	2	1	2		1														X					24041541-030
15	G208		WT	G				6	2	1	2		1														X					24041541-031
16	G209		WT	G	5-1-24	1155		6	2	1	2		1							X						X		X				24041541-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1	[signature] Comp	5-1	1631	[signature]	5/1/24	1631				
							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 Cobb

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5-1-24

24041541

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 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: 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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
	Requested Analysis Filtered (Y/N)																														
1	G210	WT	G	5-1-24	1128		6	2	1	2		1															X				24041541-033
2	G211	WT	G	5-1-24	1040		6	2	1	2		1															X				24041541-034
3	G212	WT	G	5-1-24	0952		6	2	1	2		1							X						X		X				24041541-035
4	G213	WT	G				6	2	1	2		1							X						X		X				24041541-036
5	G214	WT	G				6	2	1	2		1															X				24041541-037
6	G215	WT	G				6	2	1	2		1							X						X		X				24041541-038
7	G216	WT	G				6	2	1	2		1															X				24041541-039
8	G217	WT	G				6	2	1	2		1							X						X		X				24041541-040
9	G218	WT	G				6	2	1	2		1							X						X		X				24041541-041
10	G219	WT	G				2	1		1																			X		24041541-104
11	G220	WT	G				2	1		1																			X		24041541-105
12	G270	WT	G				6	2	1	2		1						X		X				X		X	X	X				24041541-042
13	G271	WT	G	5-1-24	1337		6	2	1	2		1								X					X		X				24041541-043
14	G272	WT	G	5-1-24	1310		6	2	1	2		1								X					X		X				24041541-044
15	G273	WT	G	5-1-24	1231		6	2	1	2		1								X					X		X				24041541-045
16	G274	WT	G	5-1-24	1421		6	2	1	2		1															X				24041541-046

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Camp	5-1	1631	Omar Qualls	5/1/24	1631	

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 Camp			Y	N	
SIGNATURE of SAMPLER:	Justin Camp	DATE Signed (MM/DD/YY): 5-1-24				

24041541

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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G275	WT	G				6	2	1	2		1								X						X		X				24041541-047
2	G275D	WT	G				2	1		1										X						X						24041541-048
3	G276	WT	G				6	2	1	2		1								X						X		X				24041541-049
4	G277	WT	G				6	2	1	2		1								X						X		X				24041541-050
5	G278	WT	G				6	2	1	2		1																X				24041541-051
6	G279	WT	G				6	2	1	2		1								X						X	X	X				24041541-052
7	G280	WT	G				6	2	1	2		1						X		X				X		X	X	X				24041541-053
8	G281	WT	G				4	1		2		1					X	X					X	X			X					24041541-054
9	G283	WT	G				2	1		1										X						X						24041541-055
10	G284	WT	G				2	1		1										X						X						24041541-056
11	G285	WT	G				2	1		1										X						X						24041541-057
12	G301	WT	G				2	1		1							X						X									24041541-058
13	G302	WT	G				2	1		1							X						X									24041541-059
14	G303	WT	G	5/1/24	1049		2	1		1							X						X									24041541-060
15	G305	WT	G	5/1/24	1441		2	1		1							X						X									24041541-061
16	G306	WT	G	5/1/24	1347		2	1		1							X						X									24041541-062

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5-1	1631	Jonathan Arballo	5/1/24	1631	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 Culp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-1-24			

24041541

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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G307	WT	G				2	1		1							X						X								24041541-063
2	G307D	WT	G				2	1		1							X						X								24041541-064
3	G308	WT	G				2	1		1							X						X								24041541-065
4	G310	WT	G				2	1		1							X						X								24041541-066
5	G312	WT	G				2	1		1							X						X								24041541-067
6	G313	WT	G	5/1/24	1213		2	1		1							X						X								24041541-068
7	G314	WT	G				2	1		1							X						X								24041541-069
8	G314D	WT	G				2	1		1							X						X								24041541-070
9	G315	WT	G				2	1		1							X						X								24041541-071
10	G316	WT	G				2	1		1							X						X								24041541-072
11	G401	WT	G				4	1		2		1						X							X			X				24041541-073
12	G402	WT	G				4	1		2		1						X							X			X				24041541-074
13	G403	WT	G				4	1		2		1						X							X			X				24041541-075
14	G404	WT	G				4	1		2		1						X							X			X				24041541-076
15	G405	WT	G				4	1		2		1						X							X			X				24041541-077
16	G406	WT	G				4	1		2		1						X							X			X				24041541-078

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Samuel Crump	5-1	1631	[illegible]	5/1/24	1631	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	5-1-24	Temp in °C	Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

24041541

COF-257-102

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	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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				4	1		2		1							X					X			X					24041541-079
2	G410	WT	G				4	1		2		1															X					24041541-080
3	G411	WT	G				4	1		2		1															X					24041541-081
4	L203	WT	G				18	9	4	1	3	1												X								24041541-082
5	NE Riser	WT	G				0														X					X						24041541-083
6	R104	WT	G				15	6	3	2	3	1												X				X				24041541-084
7	R201	WT	G				6	2	1	2		1									X					X		X				24041541-085
8	R205	WT	G				6	2	1	2		1																X				24041541-086
9	SG-02	WT	G				0												X	X					X	X						24041541-087
10	SG-03	WT	G				0												X	X					X	X						24041541-088
11	T127	WT	G				14	6	3	1	3	1											X									24041541-089
12	T128	WT	G	5-1-24	1131		14	6	3	1	3	1											X									24041541-090
13	X201	WT	G				2	1		1												X										24041541-091
14	XPW01	WT	G				2	1		1														X								24041541-092
15	XPW02	WT	G				2	1		1														X								24041541-093
16	XSG-01	WT	G				0												X						X							24041541-094

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1	Daniel Cerny/S-1		1631	Cinda Daniels	5/1/24	1631				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Culp					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-1-24				

CHAIN-OF-CUSTODY / Analytical Request Document

2404 1541

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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	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 WW; WATER P; PRODUCT SL; SOIL/SOLID OL; WP; OIL AR; WIPE OT; AIR TS; OTHER TISSUE

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	AP2D	WT	G				2	1		1													X							24041541-001
2	G1001	WT	G				2	1		1								X					X							24041541-002
3	G1003	WT	G				4	1		3								X					X							24041541-003
4	G101	WT	G	5-2-24	1022		14	6	3	1	3	1										X								24041541-004
5	G102	WT	G	5-2-24	1103		15	6	3	2	3	1										X					X			24041541-005
6	G103	WT	G	5-2-24	1226		15	6	3	2	3	1										X					X			24041541-006
7	G105	WT	G	5-2-24	1330		15	6	3	2	3	1										X					X			24041541-007
8	G106	WT	G	5-2-24	1415		15	6	3	2	3	1										X					X			24041541-008
9	G107	WT	G				14	6	3	1	3	1										X								24041541-009
10	G108	WT	G				14	6	3	1	3	1										X								24041541-010
11	G109	WT	G				14	6	3	1	3	1										X								24041541-011
12	G110	WT	G				14	6	3	1	3	1										X								24041541-012
13	G111	WT	G				14	6	3	1	3	1										X								24041541-013
14	G119	WT	G				14	6	3	1	3	1										X								24041541-014
15	G120	WT	G				14	6	3	1	3	1										X								24041541-015
16	G121	WT	G				14	6	3	1	3	1										X								24041541-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 0	Daniel Crump	5-2	1615		5/2/24	1615	16.1°C (5) N
G1003: include Appendix III/IV, majorions and field parameters if well volume is sufficient for sample collection							5

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Cole				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 5-2-24				

Added HNO_3 to G106 & G275D. Added NaOH to G401. 96651/84660 M 5/2

24041541

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	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

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	Requested Analysis Filtered (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	G122	WT	G				14	6	3	1	3	1										X									24041541-017
2	G123	WT	G				14	6	3	1	3	1										X									24041541-018
3	G124	WT	G				14	6	3	1	3	1										X									24041541-019
4	G125	WT	G	5-2-24	0941		14	6	3	1	3	1										X									24041541-020
5	G126	WT	G				14	6	3	1	3	1										X									24041541-021
6	G151	WT	G				4	2		1		1																X			24041541-022
7	G152	WT	G				4	2		1		1																X			24041541-023
8	G153	WT	G				4	2		1		1																X			24041541-024
9	G154	WT	G				5	2		2		1															X		X		24041541-025
10	G155	WT	G				4	2		1		1																X			24041541-026
11	G200	WT	G				6	2	1	2		1						X							X			X			24041541-027
12	G206	WT	G				6	2	1	2		1						X							X			X			24041541-028
13	G206D	WT	G				2	1		1								X							X			X			24041541-029
14	G207	WT	G				6	2	1	2		1																X			24041541-030
15	G208	WT	G				6	2	1	2		1																X			24041541-031
16	G209	WT	G				6	2	1	2		1						X							X			X			24041541-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 0	Daniel Crump	5-2	1615	[illegible]	5/2/24	1615				
							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 Crump

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5-2-24

24041541

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	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	G210	WT	G				6	2	1	2		1															X			24041541-033
2	G211	WT	G				6	2	1	2		1															X			24041541-034
3	G212	WT	G				6	2	1	2		1							X						X		X			24041541-035
4	G213	WT	G				6	2	1	2		1							X						X		X			24041541-036
5	G214	WT	G				6	2	1	2		1															X			24041541-037
6	G215	WT	G				6	2	1	2		1							X						X		X			24041541-038
7	G216	WT	G				6	2	1	2		1															X			24041541-039
8	G217	WT	G	5-2-24	1239		6	2	1	2		1							X						X		X			24041541-040
9	G218	WT	G	5-2-24	1147		6	2	1	2		1							X						X		X			24041541-041
10	G270	WT	G				6	2	1	2		1					X			X				X		X	X	X			24041541-042
11	G271	WT	G				6	2	1	2		1								X						X		X			24041541-043
12	G272	WT	G				6	2	1	2		1								X						X		X			24041541-044
13	G273	WT	G				6	2	1	2		1								X						X		X			24041541-045
14	G274	WT	G				6	2	1	2		1																X			24041541-046
15	G275	WT	G	5-2-24	1033		6	2	1	2		1								X						X		X			24041541-047
16	G275D	WT	G	5-2-24	0958		2	1		1										X						X					24041541-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 0	Daniel Crump	5-2	16:15		5/2/24	1615				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	John Cole	DATE Signed (MM/DD/YY):	5-2-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:							

24041541

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	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, 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	Requested Analysis Filtered (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	G276	WT	G				6	2	1	2		1									X				X		X			24041541-049
2	G277	WT	G				6	2	1	2		1									X				X		X			24041541-050
3	G278	WT	G				6	2	1	2		1															X			24041541-051
4	G279	WT	G				6	2	1	2		1									X				X	X	X			24041541-052
5	G280	WT	G				6	2	1	2		1						X			X			X		X	X	X			24041541-053
6	G281	WT	G				4	1		2		1					X	X						X	X			X			24041541-054
7	G283	WT	G				2	1		1											X					X					24041541-055
8	G284	WT	G				2	1		1											X					X					24041541-056
9	G285	WT	G				2	1		1											X					X					24041541-057
10	G301	WT	G				2	1		1							X							X							24041541-058
11	G302	WT	G				2	1		1							X							X							24041541-059
12	G303	WT	G				2	1		1							X							X							24041541-060
13	G305	WT	G				2	1		1							X							X							24041541-061
14	G306	WT	G				2	1		1							X							X							24041541-062
15	G307	WT	G	5/2/24	1432		2	1		1							X							X							24041541-063
16	G307D	WT	G	5/2/24	1435		2	1		1							X							X							24041541-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 0	Daniel Crump	5-2	1615	Paul Zelley	5/2/24	1615				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: Justin Cole

DATE Signed (MM/DD/YY): 5-2-24

Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24041541

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	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	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	G308	WT	G	5/2/24	1135		2	1		1									X					X								24041541-065
2	G310	WT	G	[illegible]			2	1		1									X					X								24041541-066
3	G312	WT	G				2	1		1									X					X								24041541-067
4	G313	WT	G				2	1		1									X					X								24041541-068
5	G314	WT	G				2	1		1									X					X								24041541-069
6	G314D	WT	G				2	1		1									X					X								24041541-070
7	G315	WT	G	5/2/24	1031		2	1		1									X					X								24041541-071
8	G316	WT	G				2	1		1									X					X								24041541-072
9	G401	WT	G	5-2-24	1406		4	1		2		1								X					X			X					24041541-073
10	G402	WT	G				4	1		2		1								X					X			X					24041541-074
11	G403	WT	G				4	1		2		1								X					X			X					24041541-075
12	G404	WT	G				4	1		2		1								X					X			X					24041541-076
13	G405	WT	G				4	1		2		1								X					X			X					24041541-077
14	G406	WT	G				4	1		2		1								X					X			X					24041541-078
15	G407	WT	G				4	1		2		1								X					X			X					24041541-079
16	G410	WT	G				4	1		2		1																X					24041541-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 0	Daniel Crump	5-2	1615	[signature]	5/2/24	1615		Y	N	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	5-2-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	[signature]						

24041541

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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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
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 WW; WATER PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G411	WT	G				4	1		2		1															X				24041541-081
2	L203	WT	G				18	9	4	1	3	1											X								24041541-082
3	NE Riser	WT	G				0													X					X						24041541-083
4	R104	WT	G	5-2-24	1300		15	6	3	2	3	1											X					X			24041541-084
5	R201	WT	G				6	2	1	2		1								X					X			X			24041541-085
6	R205	WT	G				6	2	1	2		1																X			24041541-086
7	SG-02	WT	G				0											X	X					X	X						24041541-087
8	SG-03	WT	G				0											X	X					X	X						24041541-088
9	T127	WT	G				14	6	3	1	3	1											X								24041541-089
10	T128	WT	G				14	6	3	1	3	1											X								24041541-090
11	X201	WT	G				2	1		1											X					X					24041541-091
12	XPW01	WT	G				2	1		1														X							24041541-092
13	XPW02	WT	G				2	1		1														X							24041541-093
14	XSG-01	WT	G				0											X						X							24041541-094
15	Field Blank	WT	G				21	10	5	2	3	1						X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-095
16	G102 Duplicate	WT	G	5-2-24	1103		15	6	3	2	3	1											X					X			24041541-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q2 Rev 0	Daniel Crump	5-2	1615	Paul Petty	5/2/24	1615
Blanks: filter upon arrival at the lab for dissolved parameters.						

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Culp

SIGNATURE of SAMPLER: Justin Culp DATE Signed (MM/DD/YY): 5-2-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

24041541

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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	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:	0	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)	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-105	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G200 Duplicate	WT	G				6	2	1	2		1							X						X			X			24041541-097
2	~~G270 Duplicate~~ G217	WT	G	5-2-24	1239		6	2	1	2		1								X						X			X			24041541-098
3	G301 Duplicate	WT	G				2	1		1							X						X								24041541-099
4	R201 Duplicate	WT	G				6	2	1	2		1								X					X			X			24041541-100
5	Equipment Blank 1	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X			24041541-101
6	Equipment Blank 2	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X			24041541-102
7	Equipment Blank 3	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X			24041541-103
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q2 Rev 0	Daniel Crump	5/2	1615	[signature]	5/2/24	1615
Blanks: filter upon arrival at the lab for dissolved parameters.						

SAMPLE CONDITIONS: Y | N

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Gilo		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 5-2-24				

24041541

CHAIN-OF-CUSTODY / Analytical Request Document

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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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
									Requested Analysis Filtered (Y/N)																									
1	AP2D		WT	G				2	1		1											X									24041541-001
2	G1001		WT	G				2	1		1									X			X									24041541-002
3	G1003		WT	G				4	1		3									X			X							X		24041541-003
4	G101		WT	G				14	6	3	1	3	1									X										24041541-004
5	G102		WT	G				15	6	3	2	3	1									X						X				24041541-005
6	G103		WT	G				15	6	3	2	3	1									X						X				24041541-006
7	G105		WT	G				15	6	3	2	3	1									X						X				24041541-007
8	G106		WT	G				15	6	3	2	3	1									X						X				24041541-008
9	G107		WT	G	5-3-24	0920		14	6	3	1	3	1									X										24041541-009
10	G108		WT	G				14	6	3	1	3	1									X										24041541-010
11	G109		WT	G				14	6	3	1	3	1									X										24041541-011
12	G110		WT	G				14	6	3	1	3	1									X										24041541-012
13	G111		WT	G				14	6	3	1	3	1									X										24041541-013
14	G119		WT	G				14	6	3	1	3	1									X										24041541-014
15	G120		WT	G				14	6	3	1	3	1									X										24041541-015
16	G121		WT	G				14	6	3	1	3	1									X										24041541-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1		5-3	1148		5/3/24	1148	5.6 °C; Y; N

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cole		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): 5-3-24				

96651/89660 Q175 m 5/3

24041541

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 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

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122	WT	G				14	6	3	1	3	1										X									24041541-017
2	G123	WT	G				14	6	3	1	3	1										X									24041541-018
3	G124	WT	G				14	6	3	1	3	1										X									24041541-019
4	G125	WT	G				14	6	3	1	3	1										X									24041541-020
5	G126	WT	G	5-3-24	0953		14	6	3	1	3	1										X									24041541-021
6	G151	WT	G				4	2		1		1																X			24041541-022
7	G152	WT	G				4	2		1		1																X			24041541-023
8	G153	WT	G				4	2		1		1																X			24041541-024
9	G154	WT	G				5	2		2		1														X		X			24041541-025
10	G155	WT	G				4	2		1		1																X			24041541-026
11	G200	WT	G				6	2	1	2		1								X					X			X			24041541-027
12	G206	WT	G				6	2	1	2		1								X					X			X			24041541-028
13	G206D	WT	G				2	1		1										X					X			X			24041541-029
14	G207	WT	G				6	2	1	2		1																X			24041541-030
15	G208	WT	G				6	2	1	2		1																X			24041541-031
16	G209	WT	G				6	2	1	2		1								X					X			X			24041541-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1		5-3	1148		5/3/24	1148				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5-3-24

24041541

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; 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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
				DATE	TIME			Requested Analysis Filtered (Y/N)																									
1	G210	WT	G				6	2	1	2		1																X				24041541-033
2	G211	WT	G				6	2	1	2		1																X				24041541-034
3	G212	WT	G				6	2	1	2		1								X						X		X				24041541-035
4	G213	WT	G				6	2	1	2		1								X						X		X				24041541-036
5	G214	WT	G				6	2	1	2		1																X				24041541-037
6	G215	WT	G				6	2	1	2		1								X						X		X				24041541-038
7	G216	WT	G				6	2	1	2		1																X				24041541-039
8	G217	WT	G				6	2	1	2		1								X						X		X				24041541-040
9	G218	WT	G				6	2	1	2		1								X						X		X				24041541-041
10	G219	WT	G				2	1		1																				X		24041541-104
11	G220	WT	G				2	1		1																				X		24041541-105
12	G270	WT	G				6	2	1	2		1									X		X			X		X	X	X			24041541-042
13	G271	WT	G				6	2	1	2		1											X			X		X				24041541-043
14	G272	WT	G				6	2	1	2		1											X			X		X				24041541-044
15	G273	WT	G				6	2	1	2		1											X			X		X				24041541-045
16	G274	WT	G				6	2	1	2		1																X				24041541-046

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		5/3	1148		5/3/24	1148		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:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

24041541

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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G				6	2	1	2		1								X						X		X				24041541-047
2	G275D	WT	G				2	1		1										X						X						24041541-048
3	G276	WT	G				6	2	1	2		1								X						X		X				24041541-049
4	G277	WT	G				6	2	1	2		1								X						X		X				24041541-050
5	G278	WT	G				6	2	1	2		1																X				24041541-051
6	G279	WT	G	5-3-24	9:40		6	2	1	2		1								X						X	X	X				24041541-052
7	G280	WT	G	~~5-3-24~~	~~9:40~~		6	2	1	2		1						X		X				X		X	X	X				24041541-053
8	G281	WT	G	5-3-24	1027		4	1		2		1					X	X					X	X			X					24041541-054
9	G283	WT	G				2	1		1										X						X						24041541-055
10	G284	WT	G				2	1		1										X						X						24041541-056
11	G285	WT	G				2	1		1										X						X						24041541-057
12	G301	WT	G				2	1		1							X						X									24041541-058
13	G302	WT	G				2	1		1							X						X									24041541-059
14	G303	WT	G				2	1		1							X						X									24041541-060
15	G305	WT	G				2	1		1							X						X									24041541-061
16	G306	WT	G				2	1		1							X						X									24041541-062

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1		5-3	1148		5/3/24	1148				

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): 5-3-24				

24041541

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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	Requested Analysis Filtered (Y/N): Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G				2	1		1							X						X								24041541-063
2	G307D	WT	G				2	1		1							X						X								24041541-064
3	G308	WT	G				2	1		1							X						X								24041541-065
4	G310	WT	G	5/3/24	955		2	1		1							X						X								24041541-066
5	G312	WT	G				2	1		1							X						X								24041541-067
6	G313	WT	G				2	1		1							X						X								24041541-068
7	G314	WT	G				2	1		1							X						X								24041541-069
8	G314D	WT	G				2	1		1							X						X								24041541-070
9	G315	WT	G				2	1		1							X						X								24041541-071
10	G316	WT	G				2	1		1							X						X								24041541-072
11	G401	WT	G				4	1		2		1						X						X			X					24041541-073
12	G402	WT	G				4	1		2		1						X						X			X					24041541-074
13	G403	WT	G				4	1		2		1						X						X			X					24041541-075
14	G404	WT	G				4	1		2		1						X						X			X					24041541-076
15	G405	WT	G				4	1		2		1						X						X			X					24041541-077
16	G406	WT	G				4	1		2		1						X						X			X					24041541-078

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1		5/3	1148		5/3/24	1148	

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

CHAIN-OF-CUSTODY / Analytical Request Document

24041541

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)	Requested Analysis Filtered (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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407		WT	G				4	1		2		1						X						X					24041541-079
2	G410		WT	G				4	1		2		1												X					24041541-080
3	G411		WT	G				4	1		2		1												X					24041541-081
4	L203		WT	G				18	9	4	1	3	1										X								24041541-082
5	NE Riser		WT	G				0												X						X					24041541-083
6	R104		WT	G				15	6	3	2	3	1										X					X			24041541-084
7	R201		WT	G				6	2	1	2		1							X					X			X			24041541-085
8	R205		WT	G				6	2	1	2		1															X			24041541-086
9	SG-02		WT	G				0											X	X				X	X						24041541-087
10	SG-03		WT	G				0											X	X				X	X						24041541-088
11	T127		WT	G				14	6	3	1	3	1									X									24041541-089
12	T128		WT	G				14	6	3	1	3	1									X									24041541-090
13	X201		WT	G				2	1		1										X					X					24041541-091
14	XPW01		WT	G				2	1		1												X								24041541-092
15	XPW02		WT	G				2	1		1												X								24041541-093
16	XSG-01		WT	G				0											X					X								24041541-094

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		5/3	1148			5/3/24	1148		Y	N	

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

24041541
COF-257-102

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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G				21	10	5	2	3	1						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-095
2	G102 Duplicate	WT	G				15	6	3	2	3	1											X					X					24041541-096
3	G200 Duplicate	WT	G				6	2	1	2		1								X						X			X				24041541-097
4	G273 Duplicate	WT	G				6	2	1	2		1									X					X		X					24041541-098
5	G301 Duplicate	WT	G				2	1		1								X						X									24041541-099
6	R201 Duplicate	WT	G				6	2	1	2		1									X				X			X					24041541-100
7	Equipment Blank 1	WT	G				21	10	5	2	3	1						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-101
8	Equipment Blank 2	WT	G				21	10	5	2	3	1						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-102
9	Equipment Blank 3	WT	G				21	10	5	2	3	1						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-103
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q2 Rev 1		5/3	1148		5/3/24	1148

Blanks: filter upon arrival at the lab for dissolved parameters.

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:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

24041541

CHAIN-OF-CUSTODY / Analytical Request Document

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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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G				2	1		1													X								24041541-001
2	G1001	WT	G	5-6-24	dry		2	1		1								X					X								24041541-002
3	G1003	WT	G				4	1		3								X					X						X		24041541-003
4	G101	WT	G				14	6	3	1	3	1										X									24041541-004
5	G102	WT	G				15	6	3	2	3	1										X					X				24041541-005
6	G103	WT	G				15	6	3	2	3	1										X					X				24041541-006
7	G105	WT	G				15	6	3	2	3	1										X					X				24041541-007
8	G106	WT	G				15	6	3	2	3	1										X					X				24041541-008
9	G107	WT	G				14	6	3	1	3	1										X									24041541-009
10	G108	WT	G				14	6	3	1	3	1										X									24041541-010
11	G109	WT	G				14	6	3	1	3	1										X									24041541-011
12	G110	WT	G				14	6	3	1	3	1										X									24041541-012
13	G111	WT	G				14	6	3	1	3	1										X									24041541-013
14	G119	WT	G				14	6	3	1	3	1										X									24041541-014
15	G120	WT	G				14	6	3	1	3	1										X									24041541-015
16	G121	WT	G				14	6	3	1	3	1										X									24041541-016

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: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-24Q2 Rev 1	Daniel Camp	5/6		Nick Reed	5/6/24	1642	12.9	C	N	
		5/6	1642				12.5			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: Brett Gillihan DATE Signed (MM/DD/YY): 5-6-24

pH 8/9 & 9 & 11.

Added HNO_3 (92006) to G285 & G302

PS 5/7

Per Brett Gillihan, G1003 is dry not G1001. SM 5/8/24

24041541

COF-257-102

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; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122	WT	G				14	6	3	1	3	1										X									24041541-017
2	G123	WT	G				14	6	3	1	3	1										X									24041541-018
3	G124	WT	G				14	6	3	1	3	1										X									24041541-019
4	G125	WT	G				14	6	3	1	3	1										X									24041541-020
5	G126	WT	G				14	6	3	1	3	1										X									24041541-021
6	G151	WT	G				4	2		1		1																X			24041541-022
7	G152	WT	G				4	2		1		1																X			24041541-023
8	G153	WT	G				4	2		1		1																X			24041541-024
9	G154	WT	G				5	2		2		1														X		X			24041541-025
10	G155	WT	G				4	2		1		1																X			24041541-026
11	G200	WT	G				6	2	1	2		1						X							X			X			24041541-027
12	G206	WT	G				6	2	1	2		1						X							X			X			24041541-028
13	G206D	WT	G				2	1		1								X							X			X			24041541-029
14	G207	WT	G				6	2	1	2		1																X			24041541-030
15	G208	WT	G				6	2	1	2		1																X			24041541-031
16	G209	WT	G				6	2	1	2		1						X							X			X			24041541-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1	Daniel Crump	5/6	1642	Nicole Real	5/6/24	1642		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:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

CHAIN-OF-CUSTODY / Analytical Request Document

24041541

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Page: 3 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		

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																								
1	G210	WT	G				6	2	1	2		1															X				24041541-033
2	G211	WT	G				6	2	1	2		1															X				24041541-034
3	G212	WT	G				6	2	1	2		1							X						X		X				24041541-035
4	G213	WT	G	5-6-24	1429		6	2	1	2		1							X						X		X				24041541-036
5	G214	WT	G				6	2	1	2		1															X				24041541-037
6	G215	WT	G				6	2	1	2		1							X						X		X				24041541-038
7	G216	WT	G				6	2	1	2		1															X				24041541-039
8	G217	WT	G				6	2	1	2		1							X						X		X				24041541-040
9	G218	WT	G				6	2	1	2		1							X						X		X				24041541-041
10	G219	WT	G				2	1		1																			X		24041541-104
11	G220	WT	G				2	1		1																			X		24041541-105
12	G270	WT	G				6	2	1	2		1						X		X				X		X	X	X				24041541-042
13	G271	WT	G				6	2	1	2		1								X						X		X				24041541-043
14	G272	WT	G				6	2	1	2		1								X						X		X				24041541-044
15	G273	WT	G				6	2	1	2		1								X						X		X				24041541-045
16	G274	WT	G				6	2	1	2		1														X						24041541-046

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5/6	1642	Mark Reed	5/6/24	1642	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Brett Grillivan					
SIGNATURE of SAMPLER:	Brett Grillivan	DATE Signed (MM/DD/YY): 5-6-24				

24041541

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; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G				6	2	1	2		1								X					X		X			24041541-047
2	G275D	WT	G				2	1		1										X					X					24041541-048
3	G276	WT	G				6	2	1	2		1								X					X		X			24041541-049
4	G277	WT	G				6	2	1	2		1								X					X		X			24041541-050
5	G278	WT	G				6	2	1	2		1															X			24041541-051
6	G279	WT	G				6	2	1	2		1								X					X	X	X			24041541-052
7	G280	WT	G	5-6-24	1407		6	2	1	2		1					X			X				X		X	X	X			24041541-053
8	G281	WT	G				4	1		2		1				X	X						X	X			X				24041541-054
9	G283	WT	G	5-6-24	1100		2	1		1										X					X					24041541-055
10	G284	WT	G	5-6-24	1136		2	1		1										X					X					24041541-056
11	G285	WT	G	5-6-24	1222		2	1		1										X					X					24041541-057
12	G301	WT	G	5/1/24	1028		2	1		1						X							X								24041541-058
13	G302	WT	G	5/1/24	1154		2	1		1						X							X								24041541-059
14	G303	WT	G				2	1		1						X							X								24041541-060
15	G305	WT	G				2	1		1						X							X								24041541-061
16	G306	WT	G				2	1		1						X							X								24041541-062

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5-6	1642	Mindy Reed	5/6/24	1642	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	5-6-24	Temp in °C	Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)

24041541

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307		WT	G				2	1		1							X						X								24041541-063
2	G307D		WT	G				2	1		1							X						X								24041541-064
3	G308		WT	G				2	1		1							X						X								24041541-065
4	G310		WT	G				2	1		1							X						X								24041541-066
5	G312		WT	G	5/6/24	1379		2	1		1							X						X								24041541-067
6	G313		WT	G				2	1		1							X						X								24041541-068
7	G314		WT	G				2	1		1							X						X								24041541-069
8	G314D		WT	G				2	1		1							X						X								24041541-070
9	G315		WT	G				2	1		1							X						X								24041541-071
10	G316		WT	G				2	1		1							X						X								24041541-072
11	G401		WT	G				4	1		2		1						X						X			X					24041541-073
12	G402		WT	G	5-6-24	1200		4	1		2		1						X						X			X					24041541-074
13	G403		WT	G	5-6-24	1028		4	1		2		1						X						X			X					24041541-075
14	G404		WT	G	5-6-24	1244		4	1		2		1						X						X			X					24041541-076
15	G405		WT	G	5-6-24	1313		4	1		2		1						X						X			X					24041541-077
16	G406		WT	G	5-6-24	1105		4	1		2		1						X						X			X					24041541-078

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Camp	5-6	1642		5/6/24	1642	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Camp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	5-6-24	Temp in °C	Received on Ice (Y/N)
				Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24041541

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				4	1		2		1						X						X			X				24041541-079
2	G410	WT	G				4	1		2		1												X			X				24041541-080
3	G411	WT	G				4	1		2		1												X			X				24041541-081
4	L203	WT	G				18	9	4	1	3	1											X								24041541-082
5	NE Riser	WT	G				0												X						X						24041541-083
6	R104	WT	G				15	6	3	2	3	1											X					X			24041541-084
7	R201	WT	G				6	2	1	2		1							X						X			X			24041541-085
8	R205	WT	G				6	2	1	2		1																X			24041541-086
9	SG-02	WT	G				0											X	X				X	X							24041541-087
10	SG-03	WT	G				0											X	X				X	X							24041541-088
11	T127	WT	G	5/6/24	1506		14	6	3	1	3	1										X									24041541-089
12	T128	WT	G				14	6	3	1	3	1										X									24041541-090
13	X201	WT	G				2	1		1											X					X					24041541-091
14	XPW01	WT	G				2	1		1													X								24041541-092
15	XPW02	WT	G				2	1		1													X								24041541-093
16	XSG-01	WT	G				0											X					X								24041541-094

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q2 Rev 1	Daniel Crump	5/6	1642	Trina Reed	5/6/24	1642

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Brett Gilliham
SIGNATURE of SAMPLER: Brett Gilliham
DATE Signed (MM/DD/YY): 5-6-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

24041541

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 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	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-095
2	G102 Duplicate	WT	G				15	6	3	2	3	1										X						X				24041541-096
3	G200 Duplicate	WT	G				6	2	1	2		1							X						X			X				24041541-097
4	G273 Duplicate	WT	G				6	2	1	2		1								X						X		X				24041541-098
5	G301 Duplicate	WT	G	5/6/24	1028		2	1		1							X						X									24041541-099
6	R201 Duplicate	WT	G				6	2	1	2		1								X					X			X				24041541-100
7	Equipment Blank 1	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-101
8	Equipment Blank 2	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-102
9	Equipment Blank 3	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-103
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5/6	1642	Mark Reed	5/6/24	1642	

Blanks: filter upon arrival at the lab for dissolved parameters.

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	Bret Gillihan			
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	5-6-24	

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24041541

COF-257-102

CHAIN-OF-CUSTODY / Analytical Request Document

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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		

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 SOLID/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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D		WT	G				2	1		1													X								24041541-001
2	G1001		WT	G	5/7/24	1016		2	1		1								X					X								24041541-002
3	G1003		WT	G				4	1		3								X					X						X		24041541-003
4	G101		WT	G				14	6	3	1	3	1										X									24041541-004
5	G102		WT	G				15	6	3	2	3	1										X					X				24041541-005
6	G103		WT	G				15	6	3	2	3	1										X					X				24041541-006
7	G105		WT	G				15	6	3	2	3	1										X					X				24041541-007
8	G106		WT	G				15	6	3	2	3	1										X					X				24041541-008
9	G107		WT	G				14	6	3	1	3	1										X									24041541-009
10	G108		WT	G				14	6	3	1	3	1										X									24041541-010
11	G109		WT	G				14	6	3	1	3	1										X									24041541-011
12	G110		WT	G				14	6	3	1	3	1										X									24041541-012
13	G111		WT	G				14	6	3	1	3	1										X									24041541-013
14	G119		WT	G				14	6	3	1	3	1										X									24041541-014
15	G120		WT	G				14	6	3	1	3	1										X									24041541-015
16	G121		WT	G				14	6	3	1	3	1										X									24041541-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1	Daniel Camp	5/7	1602		5/7/24	1602	7	Y	N	
							4.7°C			

SAMPLER NAME AND SIGNATURE	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Camp				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 5/7/24			

pH/96651/89660

LH 5/7

Added HNO_3 (9160) to G1001 & G276

24041541

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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G122	WT	G				14	6	3	1	3	1										X										24041541-017
2	G123	WT	G	5-7-24	1001		14	6	3	1	3	1										X										24041541-018
3	G124	WT	G				14	6	3	1	3	1										X										24041541-019
4	G125	WT	G				14	6	3	1	3	1										X										24041541-020
5	G126	WT	G				14	6	3	1	3	1										X										24041541-021
6	G151	WT	G				4	2		1		1																	X			24041541-022
7	G152	WT	G	5-7-24	1028		4	2		1		1																	X			24041541-023
8	G153	WT	G				4	2		1		1																	X			24041541-024
9	G154	WT	G				5	2		2		1															X		X			24041541-025
10	G155	WT	G				4	2		1		1																	X			24041541-026
11	G200	WT	G	5-7-24	1253		6	2	1	2		1							X						X			X				24041541-027
12	G206	WT	G				6	2	1	2		1							X						X			X				24041541-028
13	G206D	WT	G				2	1		1									X						X			X				24041541-029
14	G207	WT	G	5-7-24	1146		6	2	1	2		1																X				24041541-030
15	G208	WT	G				6	2	1	2		1																X				24041541-031
16	G209	WT	G				6	2	1	2		1							X						X			X				24041541-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5-7	1602		5/7/24	1602	

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Justin Cole					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	5-7-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24041541

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																								
1	G210	WT	G				6	2	1	2		1															X				24041541-033
2	G211	WT	G				6	2	1	2		1															X				24041541-034
3	G212	WT	G				6	2	1	2		1							X						X		X				24041541-035
4	G213	WT	G				6	2	1	2		1							X						X		X				24041541-036
5	G214	WT	G				6	2	1	2		1															X				24041541-037
6	G215	WT	G				6	2	1	2		1							X						X		X				24041541-038
7	G216	WT	G				6	2	1	2		1															X				24041541-039
8	G217	WT	G				6	2	1	2		1							X						X		X				24041541-040
9	G218	WT	G				6	2	1	2		1							X						X		X				24041541-041
10	G219	WT	G	5-7-24	1110		2	1		1																			X		24041541-104
11	G220	WT	G	5-7-24	1208		2	1		1																			X		24041541-105
12	G270	WT	G				6	2	1	2		1						X		X				X		X	X	X				24041541-042
13	G271	WT	G				6	2	1	2		1								X						X		X				24041541-043
14	G272	WT	G				6	2	1	2		1								X						X		X				24041541-044
15	G273	WT	G				6	2	1	2		1								X						X		X				24041541-045
16	G274	WT	G				6	2	1	2		1															X				24041541-046

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1	Daniel Camp	5-7	1602		5/7/24	1602				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Camp		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): 5-7-24				

24041541

COF-257-102

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275		WT	G				6	2	1	2		1																		24041541-047
2	G275D		WT	G				2	1		1																				24041541-048
3	G276		WT	G	5/7/24	1145		6	2	1	2		1																		24041541-049
4	G277		WT	G	5-7-24	0940		6	2	1	2		1																		24041541-050
5	G278		WT	G	5/7/24	1331		6	2	1	2		1																		24041541-051
6	G279		WT	G				6	2	1	2		1																		24041541-052
7	G280		WT	G				6	2	1	2		1					X													24041541-053
8	G281		WT	G				4	1		2		1				X	X								X					24041541-054
9	G283		WT	G				2	1		1																				24041541-055
10	G284		WT	G				2	1		1																				24041541-056
11	G285		WT	G				2	1		1																				24041541-057
12	G301		WT	G				2	1		1																				24041541-058
13	G302		WT	G				2	1		1																				24041541-059
14	G303		WT	G				2	1		1																				24041541-060
15	G305		WT	G				2	1		1																				24041541-061
16	G306		WT	G				2	1		1																				24041541-062

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5-7	1602	Paul Gatley	5/7/24	1602	

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): 5-7-24				

24041541

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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G				2	1		1							X						X								24041541-063
2	G307D	WT	G				2	1		1							X						X								24041541-064
3	G308	WT	G				2	1		1							X						X								24041541-065
4	G310	WT	G				2	1		1							X						X								24041541-066
5	G312	WT	G				2	1		1							X						X								24041541-067
6	G313	WT	G				2	1		1							X						X								24041541-068
7	G314	WT	G				2	1		1							X						X								24041541-069
8	G314D	WT	G				2	1		1							X						X								24041541-070
9	G315	WT	G				2	1		1							X						X								24041541-071
10	G316	WT	G				2	1		1							X						X								24041541-072
11	G401	WT	G				4	1		2		1						X						X			X					24041541-073
12	G402	WT	G				4	1		2		1						X						X			X					24041541-074
13	G403	WT	G				4	1		2		1						X						X			X					24041541-075
14	G404	WT	G				4	1		2		1						X						X			X					24041541-076
15	G405	WT	G				4	1		2		1						X						X			X					24041541-077
16	G406	WT	G				4	1		2		1						X						X			X					24041541-078

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1	Daniel Comp	5/7	1602	Paul Gilley	5/7/24	1602				

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

24041541

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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G407	WT	G				4	1		2		1						X						X			X					24041541-079
2	G410	WT	G				4	1		2		1															X					24041541-080
3	G411	WT	G				4	1		2		1															X					24041541-081
4	L203	WT	G				18	9	4	1	3	1												X								24041541-082
5	NE Riser	WT	G				0													X						X						24041541-083
6	R104	WT	G				15	6	3	2	3	1												X				X				24041541-084
7	R201	WT	G	5-7-24	1243		6	2	1	2		1								X						X		X				24041541-085
8	R205	WT	G	5-7-24	1320		6	2	1	2		1																X				24041541-086
9	SG-02	WT	G				0										X	X						X	X							24041541-087
10	SG-03	WT	G				0										X	X						X	X							24041541-088
11	T127	WT	G				14	6	3	1	3	1											X									24041541-089
12	T128	WT	G				14	6	3	1	3	1											X									24041541-090
13	X201	WT	G	5-7-24	1325		2	1		1											X					X						24041541-091
14	XPW01	WT	G	5-7-24	1355		2	1		1														X								24041541-092
15	XPW02	WT	G				2	1		1														X								24041541-093
16	XSG-01	WT	G				0										X							X								24041541-094

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1	Daniel Crump	5-7	1602	Paul Bailey	5/7/24	1602				

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): 5-7-24				

24041541

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)

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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-095
2	G102 Duplicate	WT	G				15	6	3	2	3	1										X						X				24041541-096
3	G200 Duplicate	WT	G	5-7-24	1253		6	2	1	2		1							X						X			X				24041541-097
4	G273 Duplicate	WT	G				6	2	1	2		1								X						X		X				24041541-098
5	G301 Duplicate	WT	G				2	1		1							X						X									24041541-099
6	R201 Duplicate	WT	G	5-7-24	1245		6	2	1	2		1								X					X			X				24041541-100
7	Equipment Blank 1	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-101
8	Equipment Blank 2	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-102
9	Equipment Blank 3	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-103
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1	Daniel Camp	5-7	1602	Paul Clark	5/7/24	1602				
Blanks: filter upon arrival at the lab for dissolved parameters.							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: Justin Cole DATE Signed (MM/DD/YY): 5-7-24

24041541 COF-2671102

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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G	5-8-24	952		2	1		1													X								24041541-001
2	G1001	WT	G				2	1		1								X					X								24041541-002
3	G1003	WT	G				4	1		3								X					X							X		24041541-003
4	G101	WT	G				14	6	3	1	3	1										X										24041541-004
5	G102	WT	G				15	6	3	2	3	1										X						X				24041541-005
6	G103	WT	G				15	6	3	2	3	1										X						X				24041541-006
7	G105	WT	G				15	6	3	2	3	1										X						X				24041541-007
8	G106	WT	G				15	6	3	2	3	1										X						X				24041541-008
9	G107	WT	G				14	6	3	1	3	1										X										24041541-009
10	G108	WT	G				14	6	3	1	3	1										X										24041541-010
11	G109	WT	G				14	6	3	1	3	1										X										24041541-011
12	G110	WT	G				14	6	3	1	3	1										X										24041541-012
13	G111	WT	G				14	6	3	1	3	1										X										24041541-013
14	G119	WT	G				14	6	3	1	3	1										X										24041541-014
15	G120	WT	G				14	6	3	1	3	1										X										24041541-015
16	G121	WT	G				14	6	3	1	3	1										X										24041541-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Brett Gillihan	5-8-24	1348	Brian Mell	5/8/24	1348	0 0 N 3 LIGS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: Brett Gillihan

DATE Signed (MM/DD/YY): 5-8-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

QHS Added HNO_3 (97737) to sample L28S + FB. Added H_2SO_4 (97586) to 96651/89660 sample FB.

24041541 105247102

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																								
1	G210	WT	G				6	2	1	2		1																X				24041541-033
2	G211	WT	G				6	2	1	2		1																X				24041541-034
3	G212	WT	G				6	2	1	2		1								X					X			X				24041541-035
4	G213	WT	G				6	2	1	2		1								X					X			X				24041541-036
5	G214	WT	G				6	2	1	2		1																X				24041541-037
6	G215	WT	G				6	2	1	2		1								X					X			X				24041541-038
7	G216	WT	G				6	2	1	2		1																X				24041541-039
8	G217	WT	G				6	2	1	2		1								X					X			X				24041541-040
9	G218	WT	G				6	2	1	2		1								X					X			X				24041541-041
10	G219	WT	G				2	1		1																				X		24041541-104
11	G220	WT	G				2	1		1																				X		24041541-105
12	G270	WT	G	5-8-24	940		6	2	1	2		1						X		X				X		X	X	X				24041541-042
13	G271	WT	G				6	2	1	2		1								X						X		X				24041541-043
14	G272	WT	G				6	2	1	2		1								X						X		X				24041541-044
15	G273	WT	G				6	2	1	2		1								X						X		X				24041541-045
16	G274	WT	G				6	2	1	2		1																X				24041541-046

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1		5-8-24	1345		5/8/24	1345	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Bret Gilliken				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	5-8-24		

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24041541

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	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com Scott Bell- MichaelBell@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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				4	1		2		1						X						X			X					24041541-079
2	G410	WT	G				4	1		2		1															X					24041541-080
3	G411	WT	G				4	1		2		1															X					24041541-081
4	L203	WT	G	5-8-24	1111		18	9	4	1	3	1											X									24041541-082
5	NE Riser	WT	G				0												X						X							24041541-083
6	R104	WT	G				15	6	3	2	3	1											X					X				24041541-084
7	R201	WT	G				6	2	1	2		1							X						X			X				24041541-085
8	R205	WT	G				6	2	1	2		1																X				24041541-086
9	SG-02	WT	G				0										X	X					X	X								24041541-087
10	SG-03	WT	G				0										X	X					X	X								24041541-088
11	T127	WT	G				14	6	3	1	3	1										X										24041541-089
12	T128	WT	G				14	6	3	1	3	1										X										24041541-090
13	X201	WT	G				2	1		1										X						X						24041541-091
14	XPW01	WT	G				2	1		1													X									24041541-092
15	XPW02	WT	G	5-8-24	1049		2	1		1													X									24041541-093
16	XSG-01	WT	G				0										X						X									24041541-094

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Brett Gillicker	5-9-24	1348	Mich Bell	5/8/24	1348	Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillicker

SIGNATURE of SAMPLER: Brett Gillicker DATE Signed (MM/DD/YY): 5-8-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

24041541

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G	5/8/24	1130		21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-095
2	G102 Duplicate	WT	G				15	6	3	2	3	1										X					X					24041541-096
3	G200 Duplicate	WT	G				6	2	1	2		1							X						X		X					24041541-097
4	G273 Duplicate	WT	G				6	2	1	2		1								X						X	X					24041541-098
5	G301 Duplicate	WT	G				2	1		1							X						X									24041541-099
6	R201 Duplicate	WT	G				6	2	1	2		1								X					X		X					24041541-100
7	Equipment Blank 1	WT	G	5-8-24	1124		21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-101
8	Equipment Blank 2	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-102
9	Equipment Blank 3	WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-103
10																																
11																																
12																																
13																																
14																																
15																																
16																																

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WPE WP; AR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Brett Gillinan	5-8-24	1313	Trish Reed	5/8/24	1348	

Blanks: filter upon arrival at the lab for dissolved parameters.

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Brett Gillinan				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	5-8-24		

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

Field Blank date/time per Brett Gillinan. Um 5/8/24

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

June 14, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: COF-24Q2 **WorkOrder:** 24041542

Dear Eric Bauer:

TEKLAB, INC received 62 samples on 5/8/2024 1:48:00 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: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	69
Receiving Check List	71
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

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

Definitions

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-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-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Cooler Receipt Temp: 1.7 °C

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

G152, G206, G206D, G314, G314D, G316, G410, Field Blank, and Equipment Blank 1 collection times per field files. Equipment Blanks 2 and 3 were not needed. EAH 5/9/24

G213, G273, and G283 collection times per field files. EAH 5/14/24

G209 collection tmie per field file. EAH 6/11/24

Ra226/228 analyses were performed by Eurofins St. Louis. See attached reports for results and QC.

Locations

Collinsville

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

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:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-001
Client Sample ID: AP2D
Matrix: GROUNDWATER
Collection Date: 05/08/2024 9:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:42	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-002
Client Sample ID: G1001
Matrix: GROUNDWATER
Collection Date: 05/07/2024 10:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:43	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-003
Client Sample ID: G151
Matrix: GROUNDWATER
Collection Date: 04/30/2024 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	06/04/2024 11:43	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-004
Client Sample ID: G152
Matrix: GROUNDWATER
Collection Date: 05/07/2024 11:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:43	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-005
Client Sample ID: G153
Matrix: GROUNDWATER
Collection Date: 04/30/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:43	R348762

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-006 **Client Sample ID:** G154

Matrix: GROUNDWATER **Collection Date:** 04/30/2024 12:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:44	R348762

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-007 **Client Sample ID:** G155

Matrix: GROUNDWATER **Collection Date:** 04/30/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:44	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-008
Client Sample ID: G200
Matrix: GROUNDWATER
Collection Date: 05/07/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:44	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-009
Client Sample ID: G206
Matrix: GROUNDWATER
Collection Date: 04/30/2024 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:44	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-010
Client Sample ID: G206D
Matrix: GROUNDWATER
Collection Date: 04/30/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:44	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-011
Client Sample ID: G209
Matrix: GROUNDWATER
Collection Date: 05/01/2024 12:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:46	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-012
Client Sample ID: G212
Matrix: GROUNDWATER
Collection Date: 05/01/2024 9:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:47	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-013
Client Sample ID: G213
Matrix: GROUNDWATER
Collection Date: 05/06/2024 14:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:47	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-014
Client Sample ID: G215
Matrix: GROUNDWATER
Collection Date: 04/30/2024 13:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:47	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-015
Client Sample ID: G217
Matrix: GROUNDWATER
Collection Date: 05/02/2024 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:47	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-016
Client Sample ID: G218
Matrix: GROUNDWATER
Collection Date: 05/02/2024 11:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:47	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-017
Client Sample ID: G270
Matrix: GROUNDWATER
Collection Date: 05/08/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:47	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-018
Client Sample ID: G271
Matrix: GROUNDWATER
Collection Date: 05/01/2024 13:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:47	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-019
Client Sample ID: G273
Matrix: GROUNDWATER
Collection Date: 05/01/2024 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:47	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-020
Client Sample ID: G275
Matrix: GROUNDWATER
Collection Date: 05/02/2024 10:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/04/2024 11:47	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-021
Client Sample ID: G275D
Matrix: GROUNDWATER
Collection Date: 05/02/2024 9:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:23	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-022
Client Sample ID: G276
Matrix: GROUNDWATER
Collection Date: 05/07/2024 11:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:23	R348762

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-023 **Client Sample ID:** G277

Matrix: GROUNDWATER **Collection Date:** 05/07/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:23	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-024
Client Sample ID: G279
Matrix: GROUNDWATER
Collection Date: 05/03/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:23	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-025
Client Sample ID: G280
Matrix: GROUNDWATER
Collection Date: 05/06/2024 14:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:24	R348762

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-026 **Client Sample ID:** G281

Matrix: GROUNDWATER **Collection Date:** 05/03/2024 10:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:24	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-027
Client Sample ID: G283
Matrix: GROUNDWATER
Collection Date: 05/06/2024 10:59

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:24	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-028
Client Sample ID: G284
Matrix: GROUNDWATER
Collection Date: 05/06/2024 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	06/05/2024 16:24	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-029
Client Sample ID: G285
Matrix: GROUNDWATER
Collection Date: 05/06/2024 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	06/05/2024 16:24	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-030
Client Sample ID: G301
Matrix: GROUNDWATER
Collection Date: 05/06/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:24	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-031
Client Sample ID: G302
Matrix: GROUNDWATER
Collection Date: 05/06/2024 11:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:24	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-032
Client Sample ID: G303
Matrix: GROUNDWATER
Collection Date: 05/01/2024 10:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:24	R348762

Laboratory Results

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-033 **Client Sample ID:** G305

Matrix: GROUNDWATER **Collection Date:** 05/01/2024 14:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:25	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-034
Client Sample ID: G306
Matrix: GROUNDWATER
Collection Date: 05/01/2024 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:18	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-035
Client Sample ID: G307
Matrix: GROUNDWATER
Collection Date: 05/02/2024 14:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:18	R348762

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-036 **Client Sample ID:** G307D

Matrix: GROUNDWATER **Collection Date:** 05/02/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:19	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-037
Client Sample ID: G308
Matrix: GROUNDWATER
Collection Date: 05/02/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:19	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-038
Client Sample ID: G310
Matrix: GROUNDWATER
Collection Date: 05/03/2024 9:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:19	R348762

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-039 **Client Sample ID:** G312

Matrix: GROUNDWATER **Collection Date:** 05/06/2024 13:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:19	R348762

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-040 **Client Sample ID:** G313

Matrix: GROUNDWATER **Collection Date:** 05/01/2024 12:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 16:19	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-041
Client Sample ID: G314
Matrix: GROUNDWATER
Collection Date: 04/30/2024 14:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:34	R348762

Laboratory Results

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-042 **Client Sample ID:** G314D

Matrix: GROUNDWATER **Collection Date:** 04/30/2024 13:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:34	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-043
Client Sample ID: G315
Matrix: GROUNDWATER
Collection Date: 05/02/2024 10:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:34	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-044
Client Sample ID: G316
Matrix: GROUNDWATER
Collection Date: 04/30/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:34	R348762

Laboratory Results

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-045 **Client Sample ID:** G401

Matrix: GROUNDWATER **Collection Date:** 05/02/2024 14:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:34	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-046
Client Sample ID: G402
Matrix: GROUNDWATER
Collection Date: 05/06/2024 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:42	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-047
Client Sample ID: G403
Matrix: GROUNDWATER
Collection Date: 05/06/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:42	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-048
Client Sample ID: G404
Matrix: GROUNDWATER
Collection Date: 05/06/2024 12:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:42	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-049
Client Sample ID: G405
Matrix: GROUNDWATER
Collection Date: 05/06/2024 13:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:42	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-050
Client Sample ID: G406
Matrix: GROUNDWATER
Collection Date: 05/06/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:43	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-051
Client Sample ID: G407
Matrix: GROUNDWATER
Collection Date: 04/29/2024 14:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:43	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-052
Client Sample ID: G410
Matrix: GROUNDWATER
Collection Date: 04/30/2024 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:43	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-053
Client Sample ID: G411
Matrix: GROUNDWATER
Collection Date: 04/29/2024 13:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:43	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-054
Client Sample ID: R201
Matrix: GROUNDWATER
Collection Date: 05/07/2024 12:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:41	R348762

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-055 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 05/08/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:41	R348762

Laboratory Results

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-056 **Client Sample ID:** G200 Duplicate

Matrix: GROUNDWATER **Collection Date:** 05/07/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:41	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-057
Client Sample ID: G217 Duplicate
Matrix: GROUNDWATER
Collection Date: 05/02/2024 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:41	R348762

Laboratory Results

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-058 **Client Sample ID:** G301 Duplicate

Matrix: GROUNDWATER **Collection Date:** 05/06/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:41	R348762

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-059 **Client Sample ID:** R201 Duplicate

Matrix: GROUNDWATER **Collection Date:** 05/07/2024 12:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:41	R348762

Laboratory Results

Client: Ramboll **Work Order:** 24041542

Client Project: COF-24Q2 **Report Date:** 14-Jun-24

Lab ID: 24041542-060 **Client Sample ID:** Equipment Blank 1

Matrix: AQUEOUS **Collection Date:** 05/08/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/06/2024 11:41	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-063
Client Sample ID: G219
Matrix: GROUNDWATER
Collection Date: 05/07/2024 11:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 12:07	R348762

Laboratory Results

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

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24
Lab ID: 24041542-064
Client Sample ID: G220
Matrix: GROUNDWATER
Collection Date: 05/07/2024 12:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	06/05/2024 12:07	R348762

Sample Summary

Client: Ramboll
Work Order: 24041542
Client Project: COF-24Q2
Report Date: 14-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24041542-001	AP2D	Groundwater	1	05/08/2024 9:52
24041542-002	G1001	Groundwater	1	05/07/2024 10:16
24041542-003	G151	Groundwater	1	04/30/2024 10:11
24041542-004	G152	Groundwater	1	05/07/2024 11:15
24041542-005	G153	Groundwater	1	04/30/2024 12:38
24041542-006	G154	Groundwater	1	04/30/2024 12:01
24041542-007	G155	Groundwater	1	04/30/2024 11:21
24041542-008	G200	Groundwater	1	05/07/2024 12:53
24041542-009	G206	Groundwater	1	04/30/2024 10:57
24041542-010	G206D	Groundwater	1	04/30/2024 10:28
24041542-011	G209	Groundwater	1	05/01/2024 12:16
24041542-012	G212	Groundwater	1	05/01/2024 9:52
24041542-013	G213	Groundwater	1	05/06/2024 14:28
24041542-014	G215	Groundwater	1	04/30/2024 13:19
24041542-015	G217	Groundwater	1	05/02/2024 12:39
24041542-016	G218	Groundwater	1	05/02/2024 11:47
24041542-017	G270	Groundwater	1	05/08/2024 9:40
24041542-018	G271	Groundwater	1	05/01/2024 13:37
24041542-019	G273	Groundwater	1	05/01/2024 12:30
24041542-020	G275	Groundwater	1	05/02/2024 10:33
24041542-021	G275D	Groundwater	1	05/02/2024 9:58
24041542-022	G276	Groundwater	1	05/07/2024 11:45
24041542-023	G277	Groundwater	1	05/07/2024 9:40
24041542-024	G279	Groundwater	1	05/03/2024 9:40
24041542-025	G280	Groundwater	1	05/06/2024 14:07
24041542-026	G281	Groundwater	1	05/03/2024 10:27
24041542-027	G283	Groundwater	1	05/06/2024 10:59
24041542-028	G284	Groundwater	1	05/06/2024 11:36
24041542-029	G285	Groundwater	1	05/06/2024 12:22
24041542-030	G301	Groundwater	1	05/06/2024 10:28
24041542-031	G302	Groundwater	1	05/06/2024 11:54
24041542-032	G303	Groundwater	1	05/01/2024 10:49
24041542-033	G305	Groundwater	1	05/01/2024 14:41
24041542-034	G306	Groundwater	1	05/01/2024 13:47
24041542-035	G307	Groundwater	1	05/02/2024 14:32
24041542-036	G307D	Groundwater	1	05/02/2024 11:35
24041542-037	G308	Groundwater	1	05/02/2024 12:53
24041542-038	G310	Groundwater	1	05/03/2024 9:55
24041542-039	G312	Groundwater	1	05/06/2024 13:29

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24041542-040	G313	Groundwater	1	05/01/2024 12:13
24041542-041	G314	Groundwater	1	04/30/2024 14:13
24041542-042	G314D	Groundwater	1	04/30/2024 13:07
24041542-043	G315	Groundwater	1	05/02/2024 10:31
24041542-044	G316	Groundwater	1	04/30/2024 11:56
24041542-045	G401	Groundwater	1	05/02/2024 14:06
24041542-046	G402	Groundwater	1	05/06/2024 12:00
24041542-047	G403	Groundwater	1	05/06/2024 10:28
24041542-048	G404	Groundwater	1	05/06/2024 12:44
24041542-049	G405	Groundwater	1	05/06/2024 13:13
24041542-050	G406	Groundwater	1	05/06/2024 11:05
24041542-051	G407	Groundwater	1	04/29/2024 14:52
24041542-052	G410	Groundwater	1	04/30/2024 10:36
24041542-053	G411	Groundwater	1	04/29/2024 13:11
24041542-054	R201	Groundwater	1	05/07/2024 12:43
24041542-055	Field Blank	Aqueous	1	05/08/2024 11:21
24041542-056	G200 Duplicate	Groundwater	1	05/07/2024 12:53
24041542-057	G217 Duplicate	Groundwater	1	05/02/2024 12:39
24041542-058	G301 Duplicate	Groundwater	1	05/06/2024 10:28
24041542-059	R201 Duplicate	Groundwater	1	05/07/2024 12:43
24041542-060	Equipment Blank 1	Aqueous	1	05/08/2024 11:35
24041542-063	G219	Groundwater	1	05/07/2024 11:10
24041542-064	G220	Groundwater	1	05/07/2024 12:08

Teklab, Inc. Environmental Laboratory

Receiving Check List

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Carrier: Payton Yoch
Received By: NR

Completed by: Nick Reed
On: 29-Apr-24

Reviewed by: Ellie Hopkins
On: 09-May-24

Pages to follow: Chain of custody 44 Extra pages included 111

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 1.7
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 #96651. - pschultz - 4/30/2024 7:52:02 AM

Per Tracy Carroll, some G411 containers may be marked as G410, and some G410 containers may be marked as G411 (bagging error during bottle prep). - ehurley - 4/30/2024 9:30:40 AM

Samples were received on 4/30/2024 at 16:30 on ice [19.3C - LTG#5]. - pschultz - 4/30/2024 4:51:21 PM

pH strip #96651. DS - pschultz - 4/30/2024 4:52:01 PM

Additional Nitric Acid (97528) was needed in G151, G314, G153, G316, and G314D upon arrival at the laboratory. LH - pschultz - 4/30/2024 4:53:52 PM

Samples were received on 5/1/2024 at 16:31 on ice [12.1C - LTG#5]. - pschultz - 5/2/2024 8:40:53 AM

pH strip #96651. - pschultz - 5/2/2024 8:40:56 AM

Additional Nitric Acid (97606) was needed in G303 upon arrival at the laboratory. - pschultz - 5/2/2024 8:40:59 AM

Samples were received on 5/2/24 at 1615 on ice [16.1C - LTG5]. pH strip #96651. Additional Nitric Acid (97606) was needed in G218 and G275D upon arrival at the laboratory. - amberdilallo - 5/2/2024 5:06:13 PM

Samples were received on 5/3/24 at 1148 on ice [16.3C - LTG5]. Additional Nitric Acid (97606) was needed in G279 upon arrival at the laboratory.

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

pH strip #96651. - amberdilallo - 5/3/2024 12:31:10 PM

Samples were received on 5/6/24 at 1642 on ice [12.9C - LTG5]. Additional Nitric Acid (97606) was needed in G285, G302, and G312 upon arrival at the laboratory. pH strip #96651. - PS/amberdilallo - 5/7/2024 8:24:08 AM

Samples were received on 5/7/24 at 1602 on ice [16.7C - LTG7]. Additional Nitric Acid (97606) was needed upon arrival at the laboratory for G1001 and G220. pH strip #96651. - amberdilallo - 5/8/2024 7:57:17 AM

Samples were received on 5/8/24 at 13:48 on ice [6.9C - LTG#5]. pH strip #96651. - nickreed - 5/8/2024 6:56:18 PM

24041542

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	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.
ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE															Requested Analysis Filtered (Y/N)															
1	G308	WT	G				2			2							X						X								24041542-037
2	G310	WT	G				2			2							X						X								24041542-038
3	G312	WT	G				2			2							X						X								24041542-039
4	G313	WT	G				2			2							X						X								24041542-040
5	G314	WT	G				2			2							X						X								24041542-041
6	G314D	WT	G				2			2							X						X								24041542-042
7	G315	WT	G				2			2							X						X								24041542-043
8	G316	WT	G				2			2							X						X								24041542-044
9	G401	WT	G				2			2								X						X			X				24041542-045
10	G402	WT	G				2			2								X						X			X				24041542-046
11	G403	WT	G				2			2								X						X			X				24041542-047
12	G404	WT	G				2			2								X						X			X				24041542-048
13	G405	WT	G				2			2								X						X			X				24041542-049
14	G406	WT	G				2			2								X						X			X				24041542-050
15	G407	WT	G	4-29-24	1452		2			2								X						X			X				24041542-051
16	G410	WT	G				2			2																	X				24041542-052

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 0		4/29/24	1500		4/29/24	1700	
Radium reporting, only.							

pw 94651
ps 94130

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:						
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 4-29-24					

LT6 #5

24041542

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

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	G411	WT	G	4-29-24	1311		2			2																X				24041542-053
2	L203	WT	G				0																X							N/A
3	NE Riser	WT	G				0												X						X					N/A
4	R104	WT	G				0																X				X			N/A
5	R201	WT	G				2			2									X						X		X			24041542-054
6	R205	WT	G				0																				X			N/A
7	SG-02	WT	G				0										X	X					X	X						N/A
8	SG-03	WT	G				0										X	X					X	X						N/A
9	T127	WT	G				0															X								N/A
10	T128	WT	G				0															X								N/A
11	X201	WT	G				0													X						X				N/A
12	XPW01	WT	G				0																X							N/A
13	XPW02	WT	G				0																X							N/A
14	XSG-01	WT	G				0										X						X							N/A
15	Field Blank	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-055
16	G102 Duplicate	WT	G				0															X					X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 0	[signature]	4/29/24	1500	[signature]	4/29/24	1700	Y
Radium reporting, 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): 4-29-24				

LT0#5

CHAIN-OF-CUSTODY / Analytical Request Document

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

24041542

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	AP2D		WT	G				2			2												X									24041542-001
2	G1001		WT	G				2			2								X				X									24041542-002
3	G1003		WT	G				0											X				X									N/A
4	G101		WT	G				0															X									N/A
5	G102		WT	G				0															X					X				N/A
6	G103		WT	G				0															X					X				N/A
7	G105		WT	G				0															X					X				N/A
8	G106		WT	G				0															X					X				N/A
9	G107		WT	G				0															X									N/A
10	G108		WT	G				0															X									N/A
11	G109		WT	G				0															X									N/A
12	G110		WT	G	4-30-24	1448		0															X									N/A
13	G111		WT	G	4-30-24	1411		0															X									N/A
14	G119		WT	G				0															X									N/A
15	G120		WT	G				0															X									N/A
16	G121		WT	G				0															X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 0	Daniel Crump	4-30	16:30	Paul Bailey		4/30/24	16:30	19.3°C	(Y)	N	
Radium reporting, only.								LTOS			

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Culp					
SIGNATURE of SAMPLER:	Justin	DATE Signed (MM/DD/YY): 4-30-24				

PW/966651
DSI/PS 4/30/24

Added HNO_3 (97528) to G151, G314, G153, G316, G314D
LH/PS 4/30/24

24041542

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

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	G122	WT	G				0															X								N/A
2	G123	WT	G				0															X								N/A
3	G124	WT	G				0															X								N/A
4	G125	WT	G				0															X								N/A
5	G126	WT	G				0															X								N/A
6	G151	WT	G	4-30-24	1011		2			2																		X		24041542-003
7	G152	WT	G	~~4-30-24~~			2			2																		X		24041542-004
8	G153	WT	G	4-30-24	1238		2			2																		X		24041542-005
9	G154	WT	G	4-30-24	1201		2			2																	X	X		24041542-006
10	G155	WT	G	4-30-24	1121		2			2																		X		24041542-007
11	G200	WT	G				2			2									X						X			X		24041542-008
12	G206	WT	G	4-30-24	1028		2			2									X						X			X		24041542-009
13	G206D	WT	G	4-30-24	1058		2			2									X						X			X		24041542-010
14	G207	WT	G				0																					X		N/A
15	G208	WT	G	4-30-24	1128		0																					X		N/A
16	G209	WT	G				2			2									X						X			X		24041542-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 0	Daniel Crump	4-30	16:30		4/30/24	16:30	
Radium reporting, only.							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: Justin Cole DATE Signed (MM/DD/YY): 4-30-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24041542

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	G210	WT	G				0																				X			N/A
2	G211	WT	G				0																				X			N/A
3	G212	WT	G				2			2									X						X			X			24041542-012
4	G213	WT	G				2			2									X						X			X			24041542-013
5	G214	WT	G				0																					X			N/A
6	G215	WT	G	4-30-24	1319		2			2									X						X			X			24041542-014
7	G216	WT	G	4-30-24	1220		0																					X			N/A
8	G217	WT	G				2			2									X						X			X			24041542-015
9	G218	WT	G				2			2									X						X			X			24041542-016
10	G270	WT	G				2			2								X		X				X		X	X	X			24041542-017
11	G271	WT	G				2			2										X						X		X			24041542-018
12	G272	WT	G				0													X						X		X			N/A
13	G273	WT	G				2			2										X						X		X			24041542-019
14	G274	WT	G				0																					X			N/A
15	G275	WT	G				2			2										X						X		X			24041542-020
16	G275D	WT	G				2			2										X						X					24041542-021

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 0	Daniel Crump	4-30	16:30	Paul Getty	4/30/24	1630	Y / N
Radium reporting, 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): 4-30-24				

24041542

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	G308		WT	G				2			2							X						X								24041542-037
2	G310		WT	G				2			2							X						X								24041542-038
3	G312		WT	G				2			2							X						X								24041542-039
4	G313		WT	G				2			2							X						X								24041542-040
5	G314		WT	G	4/30/24	1336		2			2							X						X								24041542-041
6	G314D		WT	G	4/30/24	1225		2			2							X						X								24041542-042
7	G315		WT	G				2			2							X						X								24041542-043
8	G316		WT	G	4/30/24	1122		2			2							X						X								24041542-044
9	G401		WT	G				2			2								X						X			X					24041542-045
10	G402		WT	G				2			2								X						X			X					24041542-046
11	G403		WT	G				2			2								X						X			X					24041542-047
12	G404		WT	G				2			2								X						X			X					24041542-048
13	G405		WT	G				2			2								X						X			X					24041542-049
14	G406		WT	G				2			2								X						X			X					24041542-050
15	G407		WT	G				2			2								X						X			X					24041542-051
16	G410		WT	G	4/30/24	1006		2			2																	X					24041542-052

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 0	Daniel Crump	4/30	16:30	Paul Hotty	4/30/24	16:30	19.3	Y	N	
Radium reporting, only.							LTG-5			

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): 4-30-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24041542

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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	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G				2			2														X								24041542-001
2	G1001	WT	G				2			2									X					X								24041542-002
3	G1003	WT	G				0												X					X						X		N/A
4	G101	WT	G				0																X									N/A
5	G102	WT	G				0																X					X				N/A
6	G103	WT	G				0																X					X				N/A
7	G105	WT	G				0																X					X				N/A
8	G106	WT	G				0																X					X				N/A
9	G107	WT	G				0																X									N/A
10	G108	WT	G	5-1-24	1036		0																X									N/A
11	G109	WT	G	5-1-24	0953		0																X									N/A
12	G110	WT	G				0																X									N/A
13	G111	WT	G				0																X									N/A
14	G119	WT	G	5-1-24	1222		0																X									N/A
15	G120	WT	G	5-1-24	1254		0																X									N/A
16	G121	WT	G	5-1-24	1321		0																X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1	Daniel Camp	5-1	1631			5/1/24	1631	12.1	Y	N	
Radium reporting, only.								LOC5			

Added HNO_3 (pH<2) to G303
pH 96651 BS 1/2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5-1-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

24041542

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Page: 2 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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122	WT	G	5-1-24	1359		0															X									N/A
2	G123	WT	G				0															X									N/A
3	G124	WT	G	5-1-24	1451		0															X									N/A
4	G125	WT	G				0															X									N/A
5	G126	WT	G				0															X									N/A
6	G151	WT	G				2			2																		X			24041542-003
7	G152	WT	G				2			2																		X			24041542-004
8	G153	WT	G				2			2																		X			24041542-005
9	G154	WT	G				2			2																X		X			24041542-006
10	G155	WT	G				2			2																		X			24041542-007
11	G200	WT	G				2			2									X						X		X				24041542-008
12	G206	WT	G				2			2									X						X		X				24041542-009
13	G206D	WT	G				2			2									X						X		X				24041542-010
14	G207	WT	G				0																				X				N/A
15	G208	WT	G				0																				X				N/A
16	G209	WT	G	5-1-24	1155		2			2									X						X		X				24041542-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1 Radium reporting, only.	Daniel Coop	5-1		Umon Davies	5/1/24	1103	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	5-1-24		

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

24041542

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

Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210	WT	G	5-1-24	1128		0																					X				N/A
2	G211	WT	G	5-1-24	1040		0																					X				N/A
3	G212	WT	G	5-1-24	0952		2			2										X				X			X				24041542-012
4	G213	WT	G				2			2										X				X			X				24041542-013
5	G214	WT	G				0																				X				N/A
6	G215	WT	G				2			2										X				X			X				24041542-014
7	G216	WT	G				0																				X				N/A
8	G217	WT	G				2			2										X				X			X				24041542-015
9	G218	WT	G				2			2										X				X			X				24041542-016
10	G219	WT	G				2			2																			X			24041542-063
11	G220	WT	G				2			2																			X			24041542-064
12	G270	WT	G				2			2									X		X				X		X	X	X			24041542-017
13	G271	WT	G	5-1-24	1337		2			2											X				X			X				24041542-018
14	G272	WT	G	5-1-24	1310		0														X				X			X				N/A
15	G273	WT	G	5-1-24	1231		2			2											X				X			X				24041542-019
16	G274	WT	G	5-1-24	1421		0																		X			X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1	Daniel Crump	5-1	1631	Brian Qualls		5/1/24	1631		Y	N	
Radium reporting, only.								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 Lalp	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-1-24

24041542

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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G				2			2											X					X		X				24041542-020
2	G275D	WT	G				2			2											X					X						24041542-021
3	G276	WT	G				2			2											X					X		X				24041542-022
4	G277	WT	G				2			2											X					X		X				24041542-023
5	G278	WT	G				0																					X				N/A
6	G279	WT	G				2			2											X					X	X	X				24041542-024
7	G280	WT	G				2			2									X		X				X	X	X	X				24041542-025
8	G281	WT	G				2			2								X	X					X	X			X				24041542-026
9	G283	WT	G				2			2											X					X						24041542-027
10	G284	WT	G				2			2											X					X						24041542-028
11	G285	WT	G				2			2											X					X						24041542-029
12	G301	WT	G				2			2								X						X								24041542-030
13	G302	WT	G				2			2								X						X								24041542-031
14	G303	WT	G	5/1/24	1019		2			2								X						X								24041542-032
15	G305	WT	G	5/1/24	1421		2			2								X						X								24041542-033
16	G306	WT	G	5/1/24	1347		2			2								X						X								24041542-034

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5-1-24	1631	Jordan Arellano	5/1/24	1631	
Radium reporting, only.							

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Justin Colp
SIGNATURE of SAMPLER: Justin Colp
DATE Signed (MM/DD/YY): 5-1-24

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

24041542

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

Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
									Requested Analysis Filtered (Y/N)																									
1	G307		WT	G				2			2						X						X									24041542-035
2	G307D		WT	G				2			2						X						X									24041542-036
3	G308		WT	G				2			2						X						X									24041542-037
4	G310		WT	G				2			2						X						X									24041542-038
5	G312		WT	G				2			2						X						X									24041542-039
6	G313		WT	G	5/1/24	1213		2			2						X						X									24041542-040
7	G314		WT	G				2			2						X						X									24041542-041
8	G314D		WT	G				2			2						X						X									24041542-042
9	G315		WT	G				2			2						X						X									24041542-043
10	G316		WT	G				2			2						X						X									24041542-044
11	G401		WT	G				2			2							X							X			X					24041542-045
12	G402		WT	G				2			2							X							X			X					24041542-046
13	G403		WT	G				2			2							X							X			X					24041542-047
14	G404		WT	G				2			2							X							X			X					24041542-048
15	G405		WT	G				2			2							X							X			X					24041542-049
16	G406		WT	G				2			2							X							X			X					24041542-050

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.	Daniel Crump	5-1	1631	Brian Duelle	5/1/24	1631		Y	N	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	JUSTIN CDP					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-1-24				

24041542

CHAIN-OF-CUSTODY / Analytical Request Document

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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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				2			2								X						X			X					24041542-051
2	G410	WT	G				2			2																	X					24041542-052
3	G411	WT	G				2			2																	X					24041542-053
4	L203	WT	G				0																X								N/A
5	NE Riser	WT	G				0												X						X						N/A
6	R104	WT	G				0																X				X				N/A
7	R201	WT	G				2			2									X						X		X				24041542-054
8	R205	WT	G				0																				X				N/A
9	SG-02	WT	G				0										X	X					X	X							N/A
10	SG-03	WT	G				0										X	X					X	X							N/A
11	T127	WT	G				0															X									N/A
12	T128	WT	G	5-1-24	1131		0															X									N/A
13	X201	WT	G				0													X						X					N/A
14	XPW01	WT	G				0																X								N/A
15	XPW02	WT	G				0																X								N/A
16	XSG-01	WT	G				0										X						X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1 Radium reporting, only.	Daniel Crump	5-1	1631	Amber Quallo	5/1/24	1631	

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:	Justin Colp	DATE Signed (MM/DD/YY): 5-1-24				

24041542

CHAIN-OF-CUSTODY / Analytical Request Document

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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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G				2			2													X								24041542-001
2	G1001	WT	G				2			2								X					X								24041542-002
3	G1003	WT	G				0											X					X						X		N/A
4	G101	WT	G	5-2-24	1022		0															X									N/A
5	G102	WT	G	5-2-24	1103		0															X					X				N/A
6	G103	WT	G	5-2-24	1226		0															X					X				N/A
7	G105	WT	G	5-2-24	1330		0															X					X				N/A
8	G106	WT	G	5-2-24	1415		0															X					X				N/A
9	G107	WT	G				0															X									N/A
10	G108	WT	G				0															X									N/A
11	G109	WT	G				0															X									N/A
12	G110	WT	G				0															X									N/A
13	G111	WT	G				0															X									N/A
14	G119	WT	G				0															X									N/A
15	G120	WT	G				0															X									N/A
16	G121	WT	G				0															X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1 Radium reporting, only.	Daniel Crump	5-2	1615	Jonathan Dilallo	5/2/24	1615	1161 1615

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 Cato					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-2-24				

added HNO_3 (9760) to sample G216(1/2) & G275D(2/2) 96651 MK 5/2

CHAIN-OF-CUSTODY / Analytical Request Document

24041542

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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, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122	WT	G				0															X									N/A
2	G123	WT	G				0															X									N/A
3	G124	WT	G				0															X									N/A
4	G125	WT	G	5-2-24	0941		0															X									N/A
5	G126	WT	G				0															X									N/A
6	G151	WT	G				2			2																		X			24041542-003
7	G152	WT	G				2			2																		X			24041542-004
8	G153	WT	G				2			2																		X			24041542-005
9	G154	WT	G				2			2																X		X			24041542-006
10	G155	WT	G				2			2																		X			24041542-007
11	G200	WT	G				2			2									X						X			X			24041542-008
12	G206	WT	G				2			2									X						X			X			24041542-009
13	G206D	WT	G				2			2									X						X			X			24041542-010
14	G207	WT	G				0																					X			N/A
15	G208	WT	G				0																					X			N/A
16	G209	WT	G				2			2									X						X			X			24041542-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1 Radium reporting, only.	Samiel Crump	5-2	1615	Jason Quarles	5/2/24	1615	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cold		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): 5-2-24				

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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210		WT	G				0																			X												N/A
2	G211		WT	G				0																			X												N/A
3	G212		WT	G				2			2											X					X												24041542-012
4	G213		WT	G				2			2											X					X												24041542-013
5	G214		WT	G				0																			X												N/A
6	G215		WT	G				2			2											X					X												24041542-014
7	G216		WT	G		1239		0																			X												N/A
8	G217		WT	G	5-2-24	~~1300~~ 1239		2			2											X					X												24041542-015
9	G218		WT	G	5-2-24	~~1100~~ 1239		2			2											X					X												24041542-016
10	G219		WT	G		1147		2			2																												24041542-063
11	G220		WT	G				2			2																												24041542-064
12	G270		WT	G				2			2												X		X						X		X	X	X				24041542-017
13	G271		WT	G				2			2														X								X		X				24041542-018
14	G272		WT	G				0																	X								X		X				N/A
15	G273		WT	G				2			2														X								X		X				24041542-019
16	G274		WT	G				0																											X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5-2	1615	Erika Ricalleo	5/2/24	1415	
Radium reporting, only.							

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): 5-2-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24041542

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Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	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	Requested Analysis Filtered (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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G	5-2-24	~~1016~~ 1033		2			2										X					X		X			24041542-020
2	G275D	WT	G	5-2-24	~~0923~~ 1033		2			2										X					X					24041542-021
3	G276	WT	G		0958		2			2										X					X		X			24041542-022
4	G277	WT	G				2			2										X					X		X			24041542-023
5	G278	WT	G				0																				X			N/A
6	G279	WT	G				2			2										X					X	X	X			24041542-024
7	G280	WT	G				2			2								X		X				X	X	X	X			24041542-025
8	G281	WT	G				2			2							X	X					X	X		X				24041542-026
9	G283	WT	G				2			2										X					X					24041542-027
10	G284	WT	G				2			2										X					X					24041542-028
11	G285	WT	G				2			2										X					X					24041542-029
12	G301	WT	G				2			2							X						X							24041542-030
13	G302	WT	G				2			2							X						X							24041542-031
14	G303	WT	G				2			2							X						X							24041542-032
15	G305	WT	G				2			2							X						X							24041542-033
16	G306	WT	G				2			2							X						X							24041542-034

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Camp	5-2	1615	Brian Voelker	5/2/24	1615	
Radium reporting, 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 Camp			Y	N	
SIGNATURE of SAMPLER:	Justin Camp	DATE Signed (MM/DD/YY): 5-2-24				

24041542

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																								
1	G307	WT	G	5/2/24	1432		2			2						X	X						X								24041542-035
2	G307D	WT	G	5/2/24	1135		2			2						X	X						X								24041542-036
3	G308	WT	G	5/2/24	1253		2			2						X	X						X								24041542-037
4	G310	WT	G				2			2						X	X						X								24041542-038
5	G312	WT	G				2			2						X	X						X								24041542-039
6	G313	WT	G				2			2						X	X						X								24041542-040
7	G314	WT	G				2			2						X	X						X								24041542-041
8	G314D	WT	G				2			2						X	X						X								24041542-042
9	G315	WT	G	5/2/24	1031		2			2						X	X						X								24041542-043
10	G316	WT	G				2			2						X	X						X								24041542-044
11	G401	WT	G	5-2-24	1406		2			2								X						X			X				24041542-045
12	G402	WT	G				2			2								X						X			X				24041542-046
13	G403	WT	G				2			2								X						X			X				24041542-047
14	G404	WT	G				2			2								X						X			X				24041542-048
15	G405	WT	G				2			2								X						X			X				24041542-049
16	G406	WT	G				2			2								X						X			X				24041542-050

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1 Radium reporting, only.	Daniel Crump	5-2	1615	Linda Dallia	5/3/24	1105	Y / N

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cole		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): 5-2-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				2			2								X						X			X					24041542-051
2	G410	WT	G				2			2																	X					24041542-052
3	G411	WT	G				2			2																	X					24041542-053
4	L203	WT	G				0																X								N/A
5	NE Riser	WT	G				0													X					X						N/A
6	R104	WT	G	5-7-24	1300		0																X					X			N/A
7	R201	WT	G				2			2										X					X			X			24041542-054
8	R205	WT	G				0																					X			N/A
9	SG-02	WT	G				0										X	X					X	X							N/A
10	SG-03	WT	G				0										X	X					X	X							N/A
11	T127	WT	G				0															X									N/A
12	T128	WT	G				0															X									N/A
13	X201	WT	G				0														X					X					N/A
14	XPW01	WT	G				0																X								N/A
15	XPW02	WT	G				0																X								N/A
16	XSG-01	WT	G				0										X						X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Gump	5-2	1615	Lynn Daniels	5/2/24	1615	
Radium reporting, 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 Gump					
SIGNATURE of SAMPLER:	Justin Gump	DATE Signed (MM/DD/YY): 5-2-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24041542

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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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-055
2	G102 Duplicate	WT	G	5-2-23	1103		0															X						X				N/A
3	G200 Duplicate	WT	G				2			2									X						X			X				24041542-056
4	~~G273 Duplicate~~ G217	WT	G	5-2-23	1239		2			2										X						X		X				24041542-057
5	G301 Duplicate	WT	G				2			2							X						X					X				24041542-058
6	R201 Duplicate	WT	G				2			2										X					X			X				24041542-059
7	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-060
8	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-061
9	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-062
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Camp	5-2	1615	Linda Quiala	5/2/24	1615	
Radium reporting, only.							

PRINT Name of SAMPLER: Justin Culp

SIGNATURE of SAMPLER: Justin Culp DATE Signed (MM/DD/YY): 5-2-24

Temp in °C	Received on Ice (Y/N) Y	Custody Sealed Cooler (Y/N) N	Samples Intact (Y/N)

24041542 COC-102

CHAIN-OF-CUSTODY / Analytical Request Document

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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

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-611-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	AP2D	WT	G				2			2													X								24041542-001
2	G1001	WT	G				2			2								X					X								24041542-002
3	G1003	WT	G				0											X					X						X		N/A
4	G101	WT	G				0															X									N/A
5	G102	WT	G				0															X					X				N/A
6	G103	WT	G				0															X					X				N/A
7	G105	WT	G				0															X					X				N/A
8	G106	WT	G				0															X					X				N/A
9	G107	WT	G	5-3-24	0920		0															X									N/A
10	G108	WT	G				0															X									N/A
11	G109	WT	G				0															X									N/A
12	G110	WT	G				0															X									N/A
13	G111	WT	G				0															X									N/A
14	G119	WT	G				0															X									N/A
15	G120	WT	G				0															X									N/A
16	G121	WT	G				0															X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1		5-3	1148		5/3/24	1148	1.3
Radium reporting, only.							0.5

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Culp			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-3-24				

Added HNO3 (97L000 to G279 2 of 2. pH ✓ 9L0651 JRM 5/3/24

24041542

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																								
1	G122	WT	G				0															X									N/A
2	G123	WT	G				0															X									N/A
3	G124	WT	G				0															X									N/A
4	G125	WT	G				0															X									N/A
5	G126	WT	G	5-3-24	0953		0															X									N/A
6	G151	WT	G				2			2																		X			24041542-003
7	G152	WT	G				2			2																		X			24041542-004
8	G153	WT	G				2			2																		X			24041542-005
9	G154	WT	G				2			2																X		X			24041542-006
10	G155	WT	G				2			2																		X			24041542-007
11	G200	WT	G				2			2									X						X			X			24041542-008
12	G206	WT	G				2			2									X						X			X			24041542-009
13	G206D	WT	G				2			2									X						X			X			24041542-010
14	G207	WT	G				0																					X			N/A
15	G208	WT	G				0																					X			N/A
16	G209	WT	G				2			2									X						X			X			24041542-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1		5-3	1148		5/3/24	1148				
Radium reporting, only.										

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cole		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): 5-3-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24041542

COF-24Q2-102

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

Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-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 (use 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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210	WT	G				0																				X				N/A
2	G211	WT	G				0																				X				N/A
3	G212	WT	G				2			2									X						X		X				24041542-012
4	G213	WT	G				2			2									X						X		X				24041542-013
5	G214	WT	G				0																				X				N/A
6	G215	WT	G				2			2									X						X		X				24041542-014
7	G216	WT	G				0																				X				N/A
8	G217	WT	G				2			2									X						X		X				24041542-015
9	G218	WT	G				2			2									X						X		X				24041542-016
10	G219	WT	G				2			2																			X		24041542-063
11	G220	WT	G				2			2																			X		24041542-064
12	G270	WT	G				2			2								X		X				X		X	X	X				24041542-017
13	G271	WT	G				2			2										X						X		X				24041542-018
14	G272	WT	G				0													X						X		X				N/A
15	G273	WT	G				2			2										X						X		X				24041542-019
16	G274	WT	G				0																				X				N/A

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOL/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	Y	N	
COF-24Q2 Rev 1		5/3	1148		5/3/24	1148				
Radium reporting, only.							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):

24041542

GCP-SOP-102

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																								
1	G275	WT	G				2			2										X						X		X				24041542-020
2	G275D	WT	G				2			2										X						X						24041542-021
3	G276	WT	G				2			2										X						X		X				24041542-022
4	G277	WT	G				2			2										X						X		X				24041542-023
5	G278	WT	G				0																					X				N/A
6	G279	WT	G	5-3-24	9:40		2			2										X						X	X	X				24041542-024
7	G280	WT	G				2			2								X		X				X		X	X	X				24041542-025
8	G281	WT	G	5-3-24	1027		2			2							X	X					X	X			X					24041542-026
9	G283	WT	G				2			2										X						X						24041542-027
10	G284	WT	G				2			2										X						X						24041542-028
11	G285	WT	G				2			2										X						X						24041542-029
12	G301	WT	G				2			2							X						X									24041542-030
13	G302	WT	G				2			2							X						X									24041542-031
14	G303	WT	G				2			2							X						X									24041542-032
15	G305	WT	G				2			2							X						X									24041542-033
16	G306	WT	G				2			2							X						X									24041542-034

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1		5-3	1148		5/3/24	1148				
Radium reporting, only.							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:		DATE Signed (MM/DD/YY): 5-3-24

24041542

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G307	WT	G				2			2							X						X									24041542-035
2	G307D	WT	G				2			2							X						X									24041542-036
3	G308	WT	G				2			2							X						X									24041542-037
4	G310	WT	G	5/3/24	955		2			2							X						X									24041542-038
5	G312	WT	G				2			2							X						X									24041542-039
6	G313	WT	G				2			2							X						X									24041542-040
7	G314	WT	G				2			2							X						X									24041542-041
8	G314D	WT	G				2			2							X						X									24041542-042
9	G315	WT	G				2			2							X						X									24041542-043
10	G316	WT	G				2			2							X						X									24041542-044
11	G401	WT	G				2			2								X						X			X					24041542-045
12	G402	WT	G				2			2								X						X			X					24041542-046
13	G403	WT	G				2			2								X						X			X					24041542-047
14	G404	WT	G				2			2								X						X			X					24041542-048
15	G405	WT	G				2			2								X						X			X					24041542-049
16	G406	WT	G				2			2								X						X			X					24041542-050

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1 Radium reporting, only.		5/3	1148		5/3/24	1148	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: Brett Gillihan

DATE Signed (MM/DD/YY): 5-3-24

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

24041542

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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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407		WT	G				2			2								X					X			X					24041542-051
2	G410		WT	G				2			2																X					24041542-052
3	G411		WT	G				2			2																X					24041542-053
4	L203		WT	G				0															X								N/A
5	NE Riser		WT	G				0												X					X						N/A
6	R104		WT	G				0															X				X				N/A
7	R201		WT	G				2			2									X					X		X				24041542-054
8	R205		WT	G				0																			X				N/A
9	SG-02		WT	G				0										X	X				X	X							N/A
10	SG-03		WT	G				0										X	X				X	X							N/A
11	T127		WT	G				0														X									N/A
12	T128		WT	G				0														X									N/A
13	X201		WT	G				0													X					X					N/A
14	XPW01		WT	G				0															X								N/A
15	XPW02		WT	G				0															X								N/A
16	XSG-01		WT	G				0										X					X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1		5/3	1148		5/3/24	1148				
Radium reporting, only.							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

24041542

CHAIN-OF-CUSTODY / Analytical Request Document

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COF-257-102

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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; 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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																								
1	Field Blank	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-055
2	G102 Duplicate	WT	G				0															X					X				N/A
3	G200 Duplicate	WT	G				2			2									X						X			X			24041542-056
4	G273 Duplicate	WT	G				2			2										X						X		X			24041542-057
5	G301 Duplicate	WT	G				2			2							X						X								24041542-058
6	R201 Duplicate	WT	G				2			2										X					X			X			24041542-059
7	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-060
8	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-061
9	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-062
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1		5/3	1148		5/3/24	1148	Temp in °C			
Radium reporting, only.							Received on Ice (Y/N)			
							Custody Sealed Cooler (Y/N)			
							Samples Intact (Y/N)			

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

CHAIN-OF-CUSTODY / Analytical Request Document

24041542

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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G				2			2												X								24041542-001
2	G1001	WT	G	5-6-24	dry		2			2								X				X								24041542-002
3	G1003	WT	G				0											X				X						X		N/A
4	G101	WT	G				0															X								N/A
5	G102	WT	G				0															X					X			N/A
6	G103	WT	G				0															X					X			N/A
7	G105	WT	G				0															X					X			N/A
8	G106	WT	G				0															X					X			N/A
9	G107	WT	G				0															X								N/A
10	G108	WT	G				0															X								N/A
11	G109	WT	G				0															X								N/A
12	G110	WT	G				0															X								N/A
13	G111	WT	G				0															X								N/A
14	G119	WT	G				0															X								N/A
15	G120	WT	G				0															X								N/A
16	G121	WT	G				0															X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Coump	5/6	1642	Mish Reed	5/6/24	1642	12.9 / 1765 ; ⊙ ; N
Radium reporting, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Brett Gillihan		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	Brett Gillihan	DATE Signed (MM/DD/YY): 5-6-24				

pH ✓ 96651
Added HNO_3(97600) to G285, G302, G312

PS 5/7

Per Brett Gillihan, G1003 is dry not G1001. SM 5/8/24

24041542

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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122	WT	G				0																X									N/A
2	G123	WT	G				0																X									N/A
3	G124	WT	G				0																X									N/A
4	G125	WT	G				0																X									N/A
5	G126	WT	G				0																X									N/A
6	G151	WT	G				2			2																			X			24041542-003
7	G152	WT	G				2			2																			X			24041542-004
8	G153	WT	G				2			2																			X			24041542-005
9	G154	WT	G				2			2																	X		X			24041542-006
10	G155	WT	G				2			2																			X			24041542-007
11	G200	WT	G				2			2											X					X			X			24041542-008
12	G206	WT	G				2			2											X					X			X			24041542-009
13	G206D	WT	G				2			2											X					X			X			24041542-010
14	G207	WT	G				0																			X						N/A
15	G208	WT	G				0																			X						N/A
16	G209	WT	G				2			2											X					X			X			24041542-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5/6	1642	Nick Reed	5/6/24	1642	
Radium reporting, 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:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

24041542

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	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210	WT	G				0																				X				N/A
2	G211	WT	G				0																				X				N/A
3	G212	WT	G				2			2									X						X		X				24041542-012
4	G213	WT	G	5-6-24	1429		2			2									X						X		X				24041542-013
5	G214	WT	G				0																				X				N/A
6	G215	WT	G				2			2									X						X		X				24041542-014
7	G216	WT	G				0																				X				N/A
8	G217	WT	G				2			2									X						X		X				24041542-015
9	G218	WT	G				2			2									X						X		X				24041542-016
10	G219	WT	G				2			2																			X			24041542-063
11	G220	WT	G				2			2																			X			24041542-064
12	G270	WT	G				2			2									X		X				X		X	X	X			24041542-017
13	G271	WT	G				2			2											X						X					24041542-018
14	G272	WT	G				0														X						X				N/A
15	G273	WT	G				2			2											X						X					24041542-019
16	G274	WT	G				0																				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	Y	N	
COF-24Q2 Rev 1	Daniel Crump	5/6	1642	Trish Reed	5/6/24	1642				
Radium reporting, 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:	Brett Gillaspie				
SIGNATURE of SAMPLER:					
DATE Signed (MM/DD/YY):	5-6-24				

24041542
COF-257-102

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; 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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G275	WT	G				2			2										X						X		X				24041542-020
2	G275D	WT	G				2			2										X						X						24041542-021
3	G276	WT	G				2			2										X						X		X				24041542-022
4	G277	WT	G				2			2										X						X		X				24041542-023
5	G278	WT	G				0																					X				N/A
6	G279	WT	G				2			2										X						X	X	X				24041542-024
7	G280	WT	G	5-6-24	1407		2			2								X		X				X		X	X	X				24041542-025
8	G281	WT	G				2			2							X	X					X	X			X					24041542-026
9	G283	WT	G	5-6-24	1100		2			2										X						X						24041542-027
10	G284	WT	G	5-6-24	1136		2			2										X						X						24041542-028
11	G285	WT	G	5-6-24	1222		2			2										X						X						24041542-029
12	G301	WT	G	5/6/24	1028		2			2							X						X									24041542-030
13	G302	WT	G	5/6/24	1154		2			2							X						X									24041542-031
14	G303	WT	G				2			2							X						X									24041542-032
15	G305	WT	G				2			2							X						X									24041542-033
16	G306	WT	G				2			2							X						X									24041542-034

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1	Daniel Crump	5-6	1642		5/6/24	1642				
Radium reporting, only.							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 Coil		
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	5-6-24

24041542

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																Requested Analysis Filtered (Y/N)															
1	G307	WT	G				2			2							X						X									24041542-035
2	G307D	WT	G				2			2							X						X									24041542-036
3	G308	WT	G				2			2							X						X									24041542-037
4	G310	WT	G				2			2							X						X									24041542-038
5	G312	WT	G	5/6/24	1329		2			2							X						X									24041542-039
6	G313	WT	G				2			2							X						X									24041542-040
7	G314	WT	G				2			2							X						X									24041542-041
8	G314D	WT	G				2			2							X						X									24041542-042
9	G315	WT	G				2			2							X						X									24041542-043
10	G316	WT	G				2			2							X						X									24041542-044
11	G401	WT	G				2			2								X						X			X					24041542-045
12	G402	WT	G	5-6-24	1200		2			2								X						X			X					24041542-046
13	G403	WT	G	5-6-24	1028		2			2								X						X			X					24041542-047
14	G404	WT	G	5-6-24	1244		2			2								X						X			X					24041542-048
15	G405	WT	G	5-6-24	1313		2			2								X						X			X					24041542-049
16	G406	WT	G	5-6-24	1105		2			2								X						X			X					24041542-050

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5-6	1642	Mitch Reed	5/6/24	1642	
Radium reporting, 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 Cole			>	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-6-24				

24041542

CHAIN-OF-CUSTODY / Analytical Request Document

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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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
	Requested Analysis Filtered (Y/N)																														
1	G407	WT	G				2			2									X					X			X					24041542-051
2	G410	WT	G				2			2																	X					24041542-052
3	G411	WT	G				2			2																	X					24041542-053
4	L203	WT	G				0																	X								N/A
5	NE Riser	WT	G				0													X					X							N/A
6	R104	WT	G				0																	X				X				N/A
7	R201	WT	G				2			2										X					X			X				24041542-054
8	R205	WT	G				0																					X				N/A
9	SG-02	WT	G				0											X	X					X	X							N/A
10	SG-03	WT	G				0											X	X					X	X							N/A
11	T127	WT	G	5/1/24	1506		0																X									N/A
12	T128	WT	G				0																X									N/A
13	X201	WT	G				0														X					X						N/A
14	XPW01	WT	G				0																	X								N/A
15	XPW02	WT	G				0																	X								N/A
16	XSG-01	WT	G				0											X						X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1	Daniel Crump	5/6	1642	Brett Reed	5/6/24	1642				
Radium reporting, only.							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	Brett Gillihan	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-6-24

24041542

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																Requested Analysis Filtered (Y/N)																
1	Field Blank	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-055
2	G102 Duplicate	WT	G				0															X					X				N/A
3	G200 Duplicate	WT	G				2			2									X						X			X			24041542-056
4	G273 Duplicate	WT	G				2			2										X						X		X			24041542-057
5	G301 Duplicate	WT	G	5/6/24	1028		2			2							X						X								24041542-058
6	R201 Duplicate	WT	G				2			2										X					X			X			24041542-059
7	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-060
8	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-061
9	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-062
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5/6	1642	Trish Reed	5/6/24	1642	
Radium reporting, only.							

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: Brett Gillihan DATE Signed (MM/DD/YY): 5-6-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24041542

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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	AP2D	WT	G				2			2													X								24041542-001
2	G1001	WT	G	5/1/24	1016		2			2								X					X								24041542-002
3	G1003	WT	G				0											X					X						X		N/A
4	G101	WT	G				0															X									N/A
5	G102	WT	G				0															X					X				N/A
6	G103	WT	G				0															X					X				N/A
7	G105	WT	G				0															X					X				N/A
8	G106	WT	G				0															X					X				N/A
9	G107	WT	G				0															X									N/A
10	G108	WT	G				0															X									N/A
11	G109	WT	G				0															X									N/A
12	G110	WT	G				0															X									N/A
13	G111	WT	G				0															X									N/A
14	G119	WT	G				0															X									N/A
15	G120	WT	G				0															X									N/A
16	G121	WT	G				0															X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5/7	1602	Amber Dilallo	5/7/24	1602	11e.7
Radium reporting, only.							JCJ

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: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 5/7/24

Added HNO_3 (97606) to G1001 (2/2) + G220 (1/2) 96651 5/7

24041542

CHAIN-OF-CUSTODY / Analytical Request Document

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COF-262-402

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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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G122	WT	G				0															X									N/A
2	G123	WT	G	5-7-24	10:01		0															X									N/A
3	G124	WT	G				0															X									N/A
4	G125	WT	G				0															X									N/A
5	G126	WT	G				0															X									N/A
6	G151	WT	G				2			2																		X			24041542-003
7	G152	WT	G	5-7-24	1028		2			2																		X			24041542-004
8	G153	WT	G				2			2																		X			24041542-005
9	G154	WT	G				2			2																X		X			24041542-006
10	G155	WT	G				2			2																		X			24041542-007
11	G200	WT	G	5-7-24	1253		2			2									X						X			X			24041542-008
12	G206	WT	G				2			2									X						X			X			24041542-009
13	G206D	WT	G				2			2									X						X			X			24041542-010
14	G207	WT	G	5-7-24	1196		0																		X			X			N/A
15	G208	WT	G	~~5-7-24~~			0																		X			X			N/A
16	G209	WT	G				2			2											X				X			X			24041542-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1	Daniel Crump	5-7	1602	[illegible]	5/7/24	1602				
Radium reporting, 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 Culp					
SIGNATURE of SAMPLER:	Justin Culp	DATE Signed (MM/DD/YY): 5-7-24				

24041542

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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G210	WT	G				0																				X				N/A
2	G211	WT	G				0																				X				N/A
3	G212	WT	G				2			2									X					X			X				24041542-012
4	G213	WT	G				2			2									X					X			X				24041542-013
5	G214	WT	G				0																				X				N/A
6	G215	WT	G				2			2									X					X			X				24041542-014
7	G216	WT	G				0																				X				N/A
8	G217	WT	G				2			2									X					X			X				24041542-015
9	G218	WT	G				2			2									X					X			X				24041542-016
10	G219	WT	G	5-7-24	1110		2			2																			X		24041542-063
11	G220	WT	G	5-7-24	~~1208~~ 1128		2			2																			X		24041542-064
12	G270	WT	G				2			2								X		X				X		X	X	X				24041542-017
13	G271	WT	G				2			2										X						X		X				24041542-018
14	G272	WT	G				0													X						X		X				N/A
15	G273	WT	G				2			2										X						X		X				24041542-019
16	G274	WT	G				0																					X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1	Daniel Camp	5-7	1602	Jason Stuckey	5/7/24	1602		Y	N	
Radium reporting, only.							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 Camp

SIGNATURE of SAMPLER: Justin Camp DATE Signed (MM/DD/YY): 5-7-24

24041542

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G				2			2										X						X		X				24041542-020
2	G275D	WT	G				2			2										X						X						24041542-021
3	G276	WT	G	5/7/24	1145		2			2										X						X		X				24041542-022
4	G277	WT	G	5-7-24	0940		2			2										X						X		X				24041542-023
5	G278	WT	G	5/7/24	1331		0																					X				N/A
6	G279	WT	G				2			2										X						X	X	X				24041542-024
7	G280	WT	G				2			2								X		X				X		X	X	X				24041542-025
8	G281	WT	G				2			2							X	X					X	X			X					24041542-026
9	G283	WT	G				2			2										X						X						24041542-027
10	G284	WT	G				2			2										X						X						24041542-028
11	G285	WT	G				2			2										X						X						24041542-029
12	G301	WT	G				2			2							X						X									24041542-030
13	G302	WT	G				2			2							X						X									24041542-031
14	G303	WT	G				2			2							X						X									24041542-032
15	G305	WT	G				2			2							X						X									24041542-033
16	G306	WT	G				2			2							X						X									24041542-034

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Cuming	5-7	1602	Amber Dalla	5/7/24	1602	
Radium reporting, only.							

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Y
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-7-24	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	N

24041542

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		

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																	Requested Analysis Filtered (Y/N)																	
1	G307		WT	G				2			2							X						X									24041542-035
2	G307D		WT	G				2			2							X						X									24041542-036
3	G308		WT	G				2			2							X						X									24041542-037
4	G310		WT	G				2			2							X						X									24041542-038
5	G312		WT	G				2			2							X						X									24041542-039
6	G313		WT	G				2			2							X						X									24041542-040
7	G314		WT	G				2			2							X						X									24041542-041
8	G314D		WT	G				2			2							X						X									24041542-042
9	G315		WT	G				2			2							X						X									24041542-043
10	G316		WT	G				2			2							X						X									24041542-044
11	G401		WT	G				2			2								X						X			X						24041542-045
12	G402		WT	G				2			2								X						X			X						24041542-046
13	G403		WT	G				2			2								X						X			X						24041542-047
14	G404		WT	G				2			2								X						X			X						24041542-048
15	G405		WT	G				2			2								X						X			X						24041542-049
16	G406		WT	G				2			2								X						X			X						24041542-050

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1	DanielCrump	5/7	1602	[illegible]	5/7/24	1602				
Radium reporting, 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:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

CHAIN-OF-CUSTODY / Analytical Request Document

2404 1542

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

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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; 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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																								
1	G407	WT	G				2			2								X						X			X					24041542-051
2	G410	WT	G				2			2																	X					24041542-052
3	G411	WT	G				2			2																	X					24041542-053
4	L203	WT	G				0																X								N/A
5	NE Riser	WT	G				0													X					X						N/A
6	R104	WT	G				0																X					X			N/A
7	R201	WT	G	5-7-24	1243		2			2										X					X			X			24041542-054
8	R205	WT	G	5-7-24	1320		0																					X			N/A
9	SG-02	WT	G				0										X	X					X	X							N/A
10	SG-03	WT	G				0										X	X					X	X							N/A
11	T127	WT	G				0															X									N/A
12	T128	WT	G				0															X									N/A
13	X201	WT	G	5-7-24	1325		0														X					X						N/A
14	XPW01	WT	G	5-7-24	1355		0																X									N/A
15	XPW02	WT	G				0																X									N/A
16	XSG-01	WT	G				0										X						X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Coomp	5-7	1692	Amber Cullars	5/7/24	1692	
Radium reporting, 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 Coll			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 5-7-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24041542

COF-257-102

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

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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; 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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G				2			2						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-055
2	G102 Duplicate	WT	G				0														X						X				N/A
3	G200 Duplicate	WT	G	5-7-24	1253		2			2								X						X			X				24041542-056
4	G273 Duplicate	WT	G				2			2									X						X		X				24041542-057
5	G301 Duplicate	WT	G				2			2						X						X									24041542-058
6	R201 Duplicate	WT	G	5/7/24	1243		2			2									X					X			X				24041542-059
7	Equipment Blank 1	WT	G				2			2						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-060
8	Equipment Blank 2	WT	G				2			2						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-061
9	Equipment Blank 3	WT	G				2			2						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-062
10																															
11																															
12																															
13																															
14																															
15																															
16																															

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Daniel Crump	5-7	1602	Urban Quails	5/7/24	1602	
Radium reporting, only.							

PRINT Name of SAMPLER: Justin Coil

SIGNATURE of SAMPLER: Justin Coil

DATE Signed (MM/DD/YY): 5-7-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24041542

COC-24Q2-02

CHAIN-OF-CUSTODY / Analytical Request Document

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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 Belt- Michael.Belt@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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G	5-8-24	952		2			2												X									24041542-001
2	G1001	WT	G				2			2								X				X									24041542-002
3	G1003	WT	G				0											X				X							X		N/A
4	G101	WT	G				0															X									N/A
5	G102	WT	G				0															X					X				N/A
6	G103	WT	G				0															X					X				N/A
7	G105	WT	G				0															X					X				N/A
8	G106	WT	G				0															X					X				N/A
9	G107	WT	G				0															X									N/A
10	G108	WT	G				0															X									N/A
11	G109	WT	G				0															X									N/A
12	G110	WT	G				0															X									N/A
13	G111	WT	G				0															X									N/A
14	G119	WT	G				0															X									N/A
15	G120	WT	G				0															X									N/A
16	G121	WT	G				0															X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	Brett Gilliver	5-9-24	1348	Mark Reed	5/8/24	1348	6.9 / Y / N
Radium reporting, only.							6

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Bret Gilliver

SIGNATURE of SAMPLER: Bret Gilliver

DATE Signed (MM/DD/YY): 5-9-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

9665, na 5/8

LT6#5

CHAIN-OF-CUSTODY / Analytical Request Document

24041542

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Page: 3 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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210	WT	G				0																				X				N/A
2	G211	WT	G				0																				X				N/A
3	G212	WT	G				2			2									X						X		X				24041542-012
4	G213	WT	G				2			2									X						X		X				24041542-013
5	G214	WT	G				0																				X				N/A
6	G215	WT	G				2			2									X						X		X				24041542-014
7	G216	WT	G				0																				X				N/A
8	G217	WT	G				2			2									X						X		X				24041542-015
9	G218	WT	G				2			2									X						X		X				24041542-016
10	G219	WT	G				2			2																			X		24041542-063
11	G220	WT	G				2			2																			X		24041542-064
12	G270	WT	G	5-8-24	940		2			2								X		X			X		X	X	X				24041542-017
13	G271	WT	G				2			2										X					X		X				24041542-018
14	G272	WT	G				0													X					X		X				N/A
15	G273	WT	G				2			2										X					X		X				24041542-019
16	G274	WT	G				0																				X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1 Radium reporting, only.	Brett Gillmer	5-8-24	1348	Nick Mood	5/8/24	1348	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Brett Gillmer		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	Brett Gillmer	DATE Signed (MM/DD/YY): 5-8-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24041542

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

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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				2			2									X					X			X					24041542-051
2	G410	WT	G				2			2																	X					24041542-052
3	G411	WT	G				2			2																	X					24041542-053
4	L203	WT	G	5-8-24	11:11		0																	X								N/A
5	NE Riser	WT	G				0													X						X						N/A
6	R104	WT	G				0																	X				X				N/A
7	R201	WT	G				2			2										X						X		X				24041542-054
8	R205	WT	G				0																					X				N/A
9	SG-02	WT	G				0											X	X					X	X							N/A
10	SG-03	WT	G				0											X	X					X	X							N/A
11	T127	WT	G				0																X									N/A
12	T128	WT	G				0																X									N/A
13	X201	WT	G				0														X						X					N/A
14	XPW01	WT	G				0																	X								N/A
15	XPW02	WT	G	5-8-24	1049		0																	X								N/A
16	XSG-01	WT	G				0											X						X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q2 Rev 1	Brett Gillaspie	5-8-24	1348	Nick Reed	5/8/24	1348				
Radium reporting, only.										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillaspie

SIGNATURE of SAMPLER: Brett Gillaspie

DATE Signed (MM/DD/YY): 5-8-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

24041542

CCDS-257-202

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Page: 7 of 7

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane
	Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	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	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	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	Field Blank	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-055
2	G102 Duplicate	WT	G				0															X						X				N/A
3	G200 Duplicate	WT	G				2			2									X						X			X				24041542-056
4	G273 Duplicate	WT	G				2			2										X						X		X				24041542-057
5	G301 Duplicate	WT	G				2			2							X						X									24041542-058
6	R201 Duplicate	WT	G				2			2										X					X			X				24041542-059
7	Equipment Blank 1	WT	G	5-8-24	1121		2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-060
8	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-061
9	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-062
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1 Radium reporting, only.	Brett Gillihan	5-8-24	1348	Nick Rood	5/8/24	1348	

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: Brett Gillihan

DATE Signed (MM/DD/YY): 5-8-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 6/11/2024 1:18:42 PM Revision 1

JOB DESCRIPTION

Radium-226 and Radium-228
24041542

JOB NUMBER

160-54048-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

myEOL

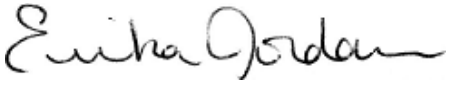
Eurofins St. Louis

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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Revision 1

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

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QC Association Summary 34
Tracer Carrier Summary 35

CASE NARRATIVE

Client: TekLab, Inc

Project: 24041542

Report Number: 160-54048-1 Revision 1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

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.

Revision
The report being provided is a revision of the original report sent on 6/10/2024. The report (revision 1) is being revised in order to correct collection times that were inaccurate on the original chain-of-custody (COC). A revised COC is included with the revised report.

Receipt
The samples were received on 5/10/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 7 coolers at receipt time were 18.0°C, 18.4°C, 18.4°C, 18.5°C, 18.9°C, 19.1°C and 19.7°C.

Client provided updated chain-of-custody (COC) to correct sample collection times; 24041542-009, -013, -019, and -027. The original COC will be retained and issued with the report to capture receipt signatures.

Due to the large number of samples submitted, the job was split into 3 three series. This report is series 1 of 3.

Method 903.0 - Radium-226 (GFPC)

Job ID: 160-54048-1 (Continued) Eurofins St. Louis

Samples 24041542-001 (160-54048-1), 24041542-002 (160-54048-2), 24041542-003 (160-54048-3), 24041542-004 (160-54048-4), 24041542-005 (160-54048-5), 24041542-006 (160-54048-6), 24041542-007 (160-54048-7), 24041542-008 (160-54048-8), 24041542-009 (160-54048-9), 24041542-010 (160-54048-10), 24041542-011 (160-54048-11), 24041542-012 (160-54048-12), 24041542-013 (160-54048-13), 24041542-014 (160-54048-14), 24041542-015 (160-54048-15), 24041542-016 (160-54048-16), 24041542-017 (160-54048-17), 24041542-018 (160-54048-18), 24041542-019 (160-54048-19) and 24041542-020 (160-54048-20) were analyzed for Radium-226 (GFPC). The samples were prepared on 5/14/2024 and analyzed on 6/7/2024.

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 24041542-001 (160-54048-1), 24041542-002 (160-54048-2), 24041542-003 (160-54048-3), 24041542-004 (160-54048-4), 24041542-005 (160-54048-5), 24041542-006 (160-54048-6), 24041542-007 (160-54048-7), 24041542-008 (160-54048-8), 24041542-009 (160-54048-9), 24041542-010 (160-54048-10), 24041542-011 (160-54048-11), 24041542-012 (160-54048-12), 24041542-013 (160-54048-13), 24041542-014 (160-54048-14), 24041542-015 (160-54048-15), 24041542-016 (160-54048-16), 24041542-017 (160-54048-17), 24041542-018 (160-54048-18), 24041542-019 (160-54048-19) and 24041542-020 (160-54048-20) were analyzed for Radium-228 (GFPC). The samples were prepared on 5/14/2024 and analyzed on 6/4/2024.

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: 24041542-013 (160-54048-13) . 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 24041542-001 (160-54048-1), 24041542-002 (160-54048-2), 24041542-003 (160-54048-3), 24041542-004 (160-54048-4), 24041542-005 (160-54048-5), 24041542-006 (160-54048-6), 24041542-007 (160-54048-7), 24041542-008 (160-54048-8), 24041542-009 (160-54048-9), 24041542-010 (160-54048-10), 24041542-011 (160-54048-11), 24041542-012 (160-54048-12), 24041542-013 (160-54048-13), 24041542-014 (160-54048-14), 24041542-015 (160-54048-15), 24041542-016 (160-54048-16), 24041542-017 (160-54048-17), 24041542-018 (160-54048-18), 24041542-019 (160-54048-19) and 24041542-020 (160-54048-20) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 6/7/2024 and 6/10/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143
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.

ERH 5/9/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-001	5/8/24 ~~1348~~ 0952	HNO3	Groundwater	✔		
	24041542-002	5/7/24 1016	HNO3	Groundwater	✔		
	24041542-003	4/30/24 1011	HNO3	Groundwater		✔	✔
	24041542-004	5/7/24 ~~1028~~ 1115 TE * 5/10/24	HNO3	Groundwater		✔	✔
	24041542-005	4/30/24 1238	HNO3	Groundwater		✔	✔
	24041542-006	4/30/24 1201	HNO3	Groundwater	✔	✔	✔
	24041542-007	4/30/24 1121	HNO3	Groundwater		✔	✔
	24041542-008	5/7/24 1253	HNO3	Groundwater	✔		
	24041542-009	4/30/24 ~~1020~~ 1056 *	HNO3	Groundwater	✔		
	24041542-010	4/30/24 ~~1058~~ 1028 *	HNO3	Groundwater	✔		
	24041542-011	5/1/24 1155	HNO3	Groundwater	✔		

160-54048 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
S Mc Daniels	5/10/24 1400	M. Pinette	5/10/24 1400
	5/10/24 1500		MAY 10 2024 1500

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SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143
Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-012	5/1/24 0952	HNO3	Groundwater	✔											
	24041542-013	5/6/24 1429	HNO3	Groundwater	✔											
	24041542-014	4/30/24 1319	HNO3	Groundwater	✔											
	24041542-015	5/2/24 1239	HNO3	Groundwater	✔											
	24041542-016	5/2/24 1147	HNO3	Groundwater	✔											
	24041542-017	5/8/24 0940	HNO3	Groundwater	✔											
	24041542-018	5/1/24 1337	HNO3	Groundwater	✔											
	24041542-019	5/1/24 1231	HNO3	Groundwater	✔											
	24041542-020	5/2/24 1033	HNO3	Groundwater	✔											
	24041542-021	5/2/24 0958	HNO3	Groundwater	✔											
	24041542-022	5/7/24 1145	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
Mia Durella	5/10/24 1400	M. Pinetta	5/10/24 1400
	5/10/24 1500		MAY 10 2024 1500

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SubCoolRevA 3/2/2016

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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: Teklab Sampling Team | QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-023	5/7/24 0940	HNO3	Groundwater	✔											
	24041542-024	5/3/24 0940	HNO3	Groundwater	✔											
	24041542-025	5/6/24 1407	HNO3	Groundwater	✔											
	24041542-026	5/3/24 1027	HNO3	Groundwater	✔											
	24041542-027	5/6/24 1100	HNO3	Groundwater	✔											
	24041542-028	5/6/24 1136	HNO3	Groundwater	✔											
	24041542-029	5/6/24 1222	HNO3	Groundwater	✔											
	24041542-030	5/6/24 1028	HNO3	Groundwater	✔											
	24041542-031	5/6/24 1154	HNO3	Groundwater	✔											
	24041542-032	5/1/24 1049	HNO3	Groundwater	✔											
	24041542-033	5/1/24 1441	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	5/16/24 1400	[signature]	5/16/24 1400
	5/16/24 1500	M. Pinetta	MAY 10 2024 1500

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

Teklab Inc
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Collinsville, IL 62234

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Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-034	5/1/24 1347	HNO3	Groundwater	✔											
	24041542-035	5/2/24 1432	HNO3	Groundwater	✔											
	24041542-036	5/2/24 1135	HNO3	Groundwater	✔											
	24041542-037	5/2/24 1253	HNO3	Groundwater	✔											
	24041542-038	5/3/24 0955	HNO3	Groundwater	✔											
	24041542-039	5/6/24 1329	HNO3	Groundwater	✔											
	24041542-040	5/1/24 1213	HNO3	Groundwater	✔											
	24041542-041	4/30/24 ~~1336~~ 1413 *	HNO3	Groundwater	✔											
	24041542-042	4/30/24 ~~1225~~ 1307 *	HNO3	Groundwater	✔											
	24041542-043	5/2/24 1031	HNO3	Groundwater	✔											
	24041542-044	4/30/24 ~~1422~~ 1156 *	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	5/10/24 1400	M. Pinetta	5/10/24 1400
	5/10/24 1500		MAY 10 2024 1500

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SubCocRevA 3/2/2015

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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: Teklab Sampling Team QC Level: 2

Comments: **Please Issue reports and invoices via email only**
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Project# 24041542

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 36143 Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-045	5/2/24 1406	HNO3	Groundwater	✔		
	24041542-046	5/6/24 1200	HNO3	Groundwater	✔		
	24041542-047	5/6/24 1028	HNO3	Groundwater	✔		
	24041542-048	5/6/24 1244	HNO3	Groundwater	✔		
	24041542-049	5/6/24 1313	HNO3	Groundwater	✔		
	24041542-050	5/6/24 1105	HNO3	Groundwater	✔		
	24041542-051	4/29/24 1452	HNO3	Groundwater	✔		
	24041542-052	4/30/24 ~~1006~~ 1036 TE EMS * SHIP	HNO3	Groundwater	✔		
	24041542-053	4/29/24 1311	HNO3	Groundwater	✔		
	24041542-054	5/7/24 1243	HNO3	Groundwater	✔		
	24041542-055	5/8/24 ~~1430~~ 1121 *	HNO3	Aqueous	✔	✔	✔

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	5/10/24 1400	[signature]	5/10/24 1400
	5/10/24 1500	M. Pinetta	MAY 10 2024 1500

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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: Teklab Sampling Team | QC Level: 2

Comments: **Please issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
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Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143
Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-056	5/7/24 1253	HNO3	Groundwater	✔		
	24041542-057	5/2/24 1239	HNO3	Groundwater	✔		
	24041542-058	5/6/24 1028	HNO3	Groundwater	✔		
	24041542-059	5/7/24 1243	HNO3	Groundwater	✔		
	24041542-060	5/8/24 ~~1121~~ 1135 TM 5/9/24 *	HNO3	Aqueous	✔	✔	✔
	24041542-063	5/7/24 1110	HNO3 *	~~Aqueous~~ GW	✔	✔	✔
	24041542-064	5/7/24 1208	HNO3 *	~~Aqueous~~ GW	✔	✔	✔
			HNO3	Groundwater	✔		
			HNO3	Groundwater	✔		
			HNO3	Groundwater			
			HNO3	Groundwater			

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	5/10/24 1450	M. Pinnette	5/10/24 1450
	5/10/24 1450		MAY 10 2024 1450

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SubCocRev 3/3/2016

TEKLAB, INC. Chain of Custody

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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: Teklab Sampling Team | QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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ERH 5/9/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-001	5/8/24 ~~1348~~ 0952	HNO3	Groundwater	✔		
	24041542-002	5/7/24 1016	HNO3	Groundwater	✔		
	24041542-003	4/30/24 1011	HNO3	Groundwater		✔	✔
	24041542-004	5/7/24 ~~1028~~ 1115 TF 5/16/24 *	HNO3	Groundwater		✔	✔
	24041542-005	4/30/24 1238	HNO3	Groundwater		✔	✔
	24041542-006	4/30/24 1201	HNO3	Groundwater	✔	✔	✔
	24041542-007	4/30/24 1121	HNO3	Groundwater		✔	✔
	24041542-008	5/7/24 1253	HNO3	Groundwater	✔		
	24041542-009	4/30/24 ~~1028~~ 1058 *	HNO3	Groundwater	✔		
	24041542-010	4/30/24 ~~1058~~ 1028 *	HNO3	Groundwater	✔		
	24041542-011	5/1/24 1155	HNO3	Groundwater	✔		

*Relinquished By	Date/Time	Received By	Date/Time
Erin Delaney			

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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: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
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Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-012	5/1/24 0952	HNO3	Groundwater	✔											
	24041542-013	5/6/24 1429	HNO3	Groundwater	✔											
	24041542-014	4/30/24 1319	HNO3	Groundwater	✔											
	24041542-015	5/2/24 1239	HNO3	Groundwater	✔											
	24041542-016	5/2/24 1147	HNO3	Groundwater	✔											
	24041542-017	5/8/24 0940	HNO3	Groundwater	✔											
	24041542-018	5/1/24 1337	HNO3	Groundwater	✔											
	24041542-019	5/1/24 1231	HNO3	Groundwater	✔											
	24041542-020	5/2/24 1033	HNO3	Groundwater	✔											
	24041542-021	5/2/24 0958	HNO3	Groundwater	✔											
	24041542-022	5/7/24 1145	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time

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3/2/2016

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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: Teklab Sampling Team | QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-023	5/7/24 0940	HNO3	Groundwater	✔											
	24041542-024	5/3/24 0940	HNO3	Groundwater	✔											
	24041542-025	5/6/24 1407	HNO3	Groundwater	✔											
	24041542-026	5/3/24 1027	HNO3	Groundwater	✔											
	24041542-027	5/6/24 1100	HNO3	Groundwater	✔											
	24041542-028	5/6/24 1136	HNO3	Groundwater	✔											
	24041542-029	5/6/24 1222	HNO3	Groundwater	✔											
	24041542-030	5/6/24 1028	HNO3	Groundwater	✔											
	24041542-031	5/6/24 1154	HNO3	Groundwater	✔											
	24041542-032	5/1/24 1049	HNO3	Groundwater	✔											
	24041542-033	5/1/24 1441	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
Emily Dralls			

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
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Project# 24041542

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 36143 Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-034	5/1/24 1347	HNO3	Groundwater	✔											
	24041542-035	5/2/24 1432	HNO3	Groundwater	✔											
	24041542-036	5/2/24 1135	HNO3	Groundwater	✔											
	24041542-037	5/2/24 1253	HNO3	Groundwater	✔											
	24041542-038	5/3/24 0955	HNO3	Groundwater	✔											
	24041542-039	5/6/24 1329	HNO3	Groundwater	✔											
	24041542-040	5/1/24 1213	HNO3	Groundwater	✔											
	24041542-041	4/30/24 ~~4336~~ 1413 *	HNO3	Groundwater	✔											
	24041542-042	4/30/24 ~~1225~~ 1307 *	HNO3	Groundwater	✔											
	24041542-043	5/2/24 1031	HNO3	Groundwater	✔											
	24041542-044	4/30/24 ~~1422~~ 1150 *	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
Mike Dellall			

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SubCocRevA
3/2/2015

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: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
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Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-045	5/2/24 1406	HNO3	Groundwater	✔											
	24041542-046	5/6/24 1200	HNO3	Groundwater	✔											
	24041542-047	5/6/24 1028	HNO3	Groundwater	✔											
	24041542-048	5/6/24 1244	HNO3	Groundwater	✔											
	24041542-049	5/6/24 1313	HNO3	Groundwater	✔											
	24041542-050	5/6/24 1105	HNO3	Groundwater	✔											
	24041542-051	4/29/24 1452	HNO3	Groundwater	✔											
	24041542-052	4/30/24 ~~1006~~ 1105 TE	HNO3	Groundwater	✔											
	24041542-053	4/29/24 1311	HNO3	Groundwater	✔											
	24041542-054	5/7/24 1243	HNO3	Groundwater	✔											
	24041542-055	5/8/24 ~~1430~~ 1121	HNO3	Aqueous	✔	✔	✔									

*Relinquished By	Date/Time	Received By	Date/Time

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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Teklab Inc
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Collinsville, IL 62234

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-056	5/7/24 1253	HNO3	Groundwater	✔		
	24041542-057	5/2/24 1239	HNO3	Groundwater	✔		
	24041542-058	5/6/24 1028	HNO3	Groundwater	✔		
	24041542-059	5/7/24 1243	HNO3	Groundwater	✔		
	24041542-060	5/8/24 ~~1121~~ 1135 TR 5/9/24 *	HNO3	Aqueous	✔	✔	✔
	24041542-063	5/7/24 1110	HNO3 *	~~Aqueous~~ GW	✔	✔	✔
	24041542-064	5/7/24 1208	HNO3 *	~~Aqueous~~ GW	✔	✔	✔
			HNO3	Groundwater	✔		
			HNO3	Groundwater	✔		
			HNO3	Groundwater			
			HNO3	Groundwater			

*Relinquished By	Date/Time	Received By	Date/Time

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SubCocRev 3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54048-1
SDG Number: 24041542

Login Number: 54048
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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

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: 160-54048-1
SDG: 24041542

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: 160-54048-1
SDG: 24041542

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54048-1	24041542-001	Water	05/08/24 09:52	05/10/24 15:00
160-54048-2	24041542-002	Water	05/07/24 10:16	05/10/24 15:00
160-54048-3	24041542-003	Water	04/30/24 10:11	05/10/24 15:00
160-54048-4	24041542-004	Water	05/07/24 11:15	05/10/24 15:00
160-54048-5	24041542-005	Water	04/30/24 12:38	05/10/24 15:00
160-54048-6	24041542-006	Water	04/30/24 12:01	05/10/24 15:00
160-54048-7	24041542-007	Water	04/30/24 11:21	05/10/24 15:00
160-54048-8	24041542-008	Water	05/07/24 12:53	05/10/24 15:00
160-54048-9	24041542-009	Water	04/30/24 10:57	05/10/24 15:00
160-54048-10	24041542-010	Water	04/30/24 10:28	05/10/24 15:00
160-54048-11	24041542-011	Water	05/01/24 12:16	05/10/24 15:00
160-54048-12	24041542-012	Water	05/01/24 09:52	05/10/24 15:00
160-54048-13	24041542-013	Water	05/06/24 14:28	05/10/24 15:00
160-54048-14	24041542-014	Water	04/30/24 13:19	05/10/24 15:00
160-54048-15	24041542-015	Water	05/02/24 12:39	05/10/24 15:00
160-54048-16	24041542-016	Water	05/02/24 11:47	05/10/24 15:00
160-54048-17	24041542-017	Water	05/08/24 09:40	05/10/24 15:00
160-54048-18	24041542-018	Water	05/01/24 13:37	05/10/24 15:00
160-54048-19	24041542-019	Water	05/01/24 12:30	05/10/24 15:00
160-54048-20	24041542-020	Water	05/02/24 10:33	05/10/24 15:00

Client Sample Results

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

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-001
Date Collected: 05/08/24 09:52
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-1
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	0.0369	U	0.0714	0.0715	1.00	0.131	pCi/L	05/14/24 08:44	06/07/24 09:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:11*	*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	0.553	U	0.378	0.382	1.00	0.573	pCi/L	05/14/24 08:50	06/04/24 11:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:42*	*1*
Y Carrier	*83.4*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:42*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.590**		0.385	0.389	5.00	0.573	pCi/L		06/07/24 16:03	1

Client Sample ID: 24041542-002
Date Collected: 05/07/24 10:16
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-2
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	**0.228**		0.122	0.124	1.00	0.144	pCi/L	05/14/24 08:44	06/07/24 09:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:30*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.243	U	0.300	0.301	1.00	0.497	pCi/L	05/14/24 08:50	06/04/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:43*	*1*
Y Carrier	*86.0*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.470	U	0.324	0.326	5.00	0.497	pCi/L		06/07/24 16:03	1

Client Sample Results

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

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-003
Date Collected: 04/30/24 10:11
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-3
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	0.120	U	0.103	0.104	1.00	0.151	pCi/L	05/14/24 08:44	06/07/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0677	U	0.284	0.285	1.00	0.519	pCi/L	05/14/24 08:50	06/04/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:43*	*1*
Y Carrier	*81.9*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.188	U	0.302	0.303	5.00	0.519	pCi/L		06/07/24 16:03	1

Client Sample ID: 24041542-004
Date Collected: 05/07/24 11:15
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-4
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	**0.367**		0.222	0.224	1.00	0.296	pCi/L	05/14/24 08:44	06/07/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.4*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.467	U	0.499	0.501	1.00	0.809	pCi/L	05/14/24 08:50	06/04/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.4*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:43*	*1*
Y Carrier	*82.6*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.834**		0.546	0.549	5.00	0.809	pCi/L		06/07/24 16:03	1

Client Sample Results

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

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-005
Date Collected: 04/30/24 12:38
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-5
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	0.0382	U	0.0839	0.0840	1.00	0.154	pCi/L	05/14/24 08:44	06/07/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.492	U	0.340	0.343	1.00	0.511	pCi/L	05/14/24 08:50	06/04/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:43*	*1*
Y Carrier	*87.5*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.530**		0.350	0.353	5.00	0.511	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-006
Date Collected: 04/30/24 12:01
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-6
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	0.0399	U	0.115	0.115	1.00	0.214	pCi/L	05/14/24 08:44	06/07/24 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.9*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.347	U	0.362	0.363	1.00	0.585	pCi/L	05/14/24 08:50	06/04/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.9*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:44*	*1*
Y Carrier	*83.7*		*30 - 110*	*05/14/24 08:50*	*06/04/24 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	0.387	U	0.380	0.381	5.00	0.585	pCi/L		06/10/24 16:14	1

Client Sample Results

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

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-007
Date Collected: 04/30/24 11:21
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-7
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	0.179		0.111	0.112	1.00	0.140	pCi/L	05/14/24 08:44	06/07/24 09:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0429	U	0.251	0.251	1.00	0.490	pCi/L	05/14/24 08:50	06/04/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:44*	*1*
Y Carrier	*84.9*		*30 - 110*	*05/14/24 08:50*	*06/04/24 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	0.179	U	0.274	0.275	5.00	0.490	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-008
Date Collected: 05/07/24 12:53
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-8
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	0.00792	U	0.0917	0.0917	1.00	0.181	pCi/L	05/14/24 08:44	06/07/24 09:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0785	U	0.280	0.280	1.00	0.505	pCi/L	05/14/24 08:50	06/04/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:44*	*1*
Y Carrier	*84.5*		*30 - 110*	*05/14/24 08:50*	*06/04/24 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	0.0864	U	0.295	0.295	5.00	0.505	pCi/L		06/10/24 16:14	1

Client Sample Results

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

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-009
Date Collected: 04/30/24 10:57
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-9
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	0.188	U	0.148	0.149	1.00	0.224	pCi/L	05/14/24 08:44	06/07/24 09:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0778	U	0.270	0.270	1.00	0.491	pCi/L	05/14/24 08:50	06/04/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:44*	*1*
Y Carrier	*81.1*		*30 - 110*	*05/14/24 08:50*	*06/04/24 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	0.266	U	0.308	0.308	5.00	0.491	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-010
Date Collected: 04/30/24 10:28
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-10
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	**0.236**		0.153	0.154	1.00	0.214	pCi/L	05/14/24 08:44	06/07/24 09:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:32*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0943	U	0.282	0.282	1.00	0.505	pCi/L	05/14/24 08:50	06/04/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:44*	*1*
Y Carrier	*85.6*		*30 - 110*	*05/14/24 08:50*	*06/04/24 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	0.330	U	0.321	0.321	5.00	0.505	pCi/L		06/10/24 16:14	1

Client Sample Results

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

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-011
Date Collected: 05/01/24 12:16
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-11
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	0.162	U	0.122	0.123	1.00	0.178	pCi/L	05/14/24 08:44	06/07/24 09:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:19*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.491	U	0.361	0.363	1.00	0.551	pCi/L	05/14/24 08:50	06/04/24 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:46*	*1*
Y Carrier	*86.0*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:46*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.653**		0.381	0.383	5.00	0.551	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-012
Date Collected: 05/01/24 09:52
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-12
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	0.0450	U	0.107	0.107	1.00	0.195	pCi/L	05/14/24 08:44	06/07/24 09:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:19*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.03**		0.435	0.445	1.00	0.560	pCi/L	05/14/24 08:50	06/04/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*
Y Carrier	*80.4*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.07**		0.448	0.458	5.00	0.560	pCi/L		06/10/24 16:14	1

Client Sample Results

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

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-013
Date Collected: 05/06/24 14:28
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-13
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	0.178	U	0.187	0.187	1.00	0.295	pCi/L	05/14/24 08:44	06/07/24 09:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*58.5*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:19*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.541	U G	0.632	0.634	1.00	1.04	pCi/L	05/14/24 08:50	06/04/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*58.5*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*
Y Carrier	*82.2*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.719	U	0.659	0.661	5.00	1.04	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-014
Date Collected: 04/30/24 13:19
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-14
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	0.156	U	0.122	0.123	1.00	0.178	pCi/L	05/14/24 08:44	06/07/24 09:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:19*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0450	U	0.339	0.339	1.00	0.621	pCi/L	05/14/24 08:50	06/04/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*
Y Carrier	*81.5*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-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	0.360	0.361	5.00	0.621	pCi/L		06/10/24 16:14	1

Client Sample Results

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

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-015
Date Collected: 05/02/24 12:39
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-15
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	0.106	U	0.114	0.114	1.00	0.182	pCi/L	05/14/24 08:44	06/07/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:20*	*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	0.229	U	0.378	0.379	1.00	0.645	pCi/L	05/14/24 08:50	06/04/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*
Y Carrier	*82.6*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.336	U	0.395	0.396	5.00	0.645	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-016
Date Collected: 05/02/24 11:47
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-16
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	0.0552	U	0.0941	0.0943	1.00	0.165	pCi/L	05/14/24 08:44	06/07/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:20*	*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	0.255	U	0.315	0.316	1.00	0.522	pCi/L	05/14/24 08:50	06/04/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.5*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*
Y Carrier	*83.7*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.311	U	0.329	0.330	5.00	0.522	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-017
Lab Sample ID: 160-54048-17
Date Collected: 05/08/24 09:40
Matrix: Water
Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00242	U	0.0984	0.0984	1.00	0.197	pCi/L	05/14/24 08:44	06/07/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:20*	*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	0.158	U	0.343	0.344	1.00	0.600	pCi/L	05/14/24 08:50	06/04/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*
Y Carrier	*83.0*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.160	U	0.357	0.358	5.00	0.600	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-018
Lab Sample ID: 160-54048-18
Date Collected: 05/01/24 13:37
Matrix: Water
Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0931	U	0.106	0.106	1.00	0.171	pCi/L	05/14/24 08:44	06/07/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:20*	*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	0.279	U	0.318	0.319	1.00	0.522	pCi/L	05/14/24 08:50	06/04/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*
Y Carrier	*83.7*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.372	U	0.335	0.336	5.00	0.522	pCi/L		06/10/24 16:14	1

Client Sample Results

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

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-019
Date Collected: 05/01/24 12:30
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-19
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	0.152	U	0.115	0.116	1.00	0.165	pCi/L	05/14/24 08:44	06/07/24 09:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:20*	*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	**0.775**		0.393	0.399	1.00	0.545	pCi/L	05/14/24 08:50	06/04/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*
Y Carrier	*83.0*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.927**		0.409	0.416	5.00	0.545	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-020
Date Collected: 05/02/24 10:33
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-20
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	0.0947	U	0.0882	0.0887	1.00	0.131	pCi/L	05/14/24 08:44	06/07/24 12:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*05/14/24 08:44*	*06/07/24 12:54*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.128	U	0.353	0.353	1.00	0.622	pCi/L	05/14/24 08:50	06/04/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*
Y Carrier	*83.7*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:47*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.223	U	0.364	0.364	5.00	0.622	pCi/L		06/10/24 16:14	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-661572/1-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661572

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1367		0.0927	0.0935	1.00	0.118	pCi/L	05/14/24 08:44	06/07/24 09:11	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.8*		*30 - 110*	*05/14/24 08:44*	*06/07/24 09:11*	*1*

Lab Sample ID: LCS 160-661572/2-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661572

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.879		1.11	1.00	0.140	pCi/L	87	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*95.0*		*30 - 110*

Lab Sample ID: 160-54048-2 DU
Matrix: Water
Analysis Batch: 665180

Client Sample ID: 24041542-002
Prep Type: Total/NA
Prep Batch: 661572

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.228			0.09253	U	0.0983	1.00	0.154	pCi/L			0.61	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*82.6*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-661573/1-A
Matrix: Water
Analysis Batch: 664626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661573

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.06289	U	0.263	0.263	1.00	0.476	pCi/L	05/14/24 08:50	06/04/24 11:42	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.8*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:42*	*1*
Y Carrier	*87.9*		*30 - 110*	*05/14/24 08:50*	*06/04/24 11:42*	*1*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-661573/2-A
Matrix: Water
Analysis Batch: 664626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661573

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.88	8.355		1.14	1.00	0.393	pCi/L	94	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*95.0*		*30 - 110*
Y Carrier	*87.5*		*30 - 110*

Lab Sample ID: 160-54048-2 DU
Matrix: Water
Analysis Batch: 664626

Client Sample ID: 24041542-002
Prep Type: Total/NA
Prep Batch: 661573

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.243	U		0.1909	U	0.307	1.00	0.523	pCi/L			0.09	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*82.6*		*30 - 110*
Y Carrier	*88.6*		*30 - 110*

QC Association Summary

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

Job ID: 160-54048-1
SDG: 24041542

Rad

Prep Batch: 661572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-1	24041542-001	Total/NA	Water	PrecSep-21	
160-54048-2	24041542-002	Total/NA	Water	PrecSep-21	
160-54048-3	24041542-003	Total/NA	Water	PrecSep-21	
160-54048-4	24041542-004	Total/NA	Water	PrecSep-21	
160-54048-5	24041542-005	Total/NA	Water	PrecSep-21	
160-54048-6	24041542-006	Total/NA	Water	PrecSep-21	
160-54048-7	24041542-007	Total/NA	Water	PrecSep-21	
160-54048-8	24041542-008	Total/NA	Water	PrecSep-21	
160-54048-9	24041542-009	Total/NA	Water	PrecSep-21	
160-54048-10	24041542-010	Total/NA	Water	PrecSep-21	
160-54048-11	24041542-011	Total/NA	Water	PrecSep-21	
160-54048-12	24041542-012	Total/NA	Water	PrecSep-21	
160-54048-13	24041542-013	Total/NA	Water	PrecSep-21	
160-54048-14	24041542-014	Total/NA	Water	PrecSep-21	
160-54048-15	24041542-015	Total/NA	Water	PrecSep-21	
160-54048-16	24041542-016	Total/NA	Water	PrecSep-21	
160-54048-17	24041542-017	Total/NA	Water	PrecSep-21	
160-54048-18	24041542-018	Total/NA	Water	PrecSep-21	
160-54048-19	24041542-019	Total/NA	Water	PrecSep-21	
160-54048-20	24041542-020	Total/NA	Water	PrecSep-21	
MB 160-661572/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661572/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54048-2 DU	24041542-002	Total/NA	Water	PrecSep-21	

Prep Batch: 661573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-1	24041542-001	Total/NA	Water	PrecSep_0	
160-54048-2	24041542-002	Total/NA	Water	PrecSep_0	
160-54048-3	24041542-003	Total/NA	Water	PrecSep_0	
160-54048-4	24041542-004	Total/NA	Water	PrecSep_0	
160-54048-5	24041542-005	Total/NA	Water	PrecSep_0	
160-54048-6	24041542-006	Total/NA	Water	PrecSep_0	
160-54048-7	24041542-007	Total/NA	Water	PrecSep_0	
160-54048-8	24041542-008	Total/NA	Water	PrecSep_0	
160-54048-9	24041542-009	Total/NA	Water	PrecSep_0	
160-54048-10	24041542-010	Total/NA	Water	PrecSep_0	
160-54048-11	24041542-011	Total/NA	Water	PrecSep_0	
160-54048-12	24041542-012	Total/NA	Water	PrecSep_0	
160-54048-13	24041542-013	Total/NA	Water	PrecSep_0	
160-54048-14	24041542-014	Total/NA	Water	PrecSep_0	
160-54048-15	24041542-015	Total/NA	Water	PrecSep_0	
160-54048-16	24041542-016	Total/NA	Water	PrecSep_0	
160-54048-17	24041542-017	Total/NA	Water	PrecSep_0	
160-54048-18	24041542-018	Total/NA	Water	PrecSep_0	
160-54048-19	24041542-019	Total/NA	Water	PrecSep_0	
160-54048-20	24041542-020	Total/NA	Water	PrecSep_0	
MB 160-661573/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661573/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54048-2 DU	24041542-002	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-54048-1
SDG: 24041542

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)						
160-54048-1	24041542-001	91.3						
160-54048-2	24041542-002	91.0						
160-54048-2 DU	24041542-002	82.6						
160-54048-3	24041542-003	87.8						
160-54048-4	24041542-004	75.4						
160-54048-5	24041542-005	89.8						
160-54048-6	24041542-006	76.9						
160-54048-7	24041542-007	91.8						
160-54048-8	24041542-008	92.3						
160-54048-9	24041542-009	89.8						
160-54048-10	24041542-010	89.1						
160-54048-11	24041542-011	90.0						
160-54048-12	24041542-012	84.6						
160-54048-13	24041542-013	58.5						
160-54048-14	24041542-014	83.3						
160-54048-15	24041542-015	82.6						
160-54048-16	24041542-016	90.5						
160-54048-17	24041542-017	83.8						
160-54048-18	24041542-018	90.3						
160-54048-19	24041542-019	89.6						
160-54048-20	24041542-020	89.3						
LCS 160-661572/2-A	Lab Control Sample	95.0						
MB 160-661572/1-A	Method Blank	96.8						

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)					
160-54048-1	24041542-001	91.3	83.4					
160-54048-2	24041542-002	91.0	86.0					
160-54048-2 DU	24041542-002	82.6	88.6					
160-54048-3	24041542-003	87.8	81.9					
160-54048-4	24041542-004	75.4	82.6					
160-54048-5	24041542-005	89.8	87.5					
160-54048-6	24041542-006	76.9	83.7					
160-54048-7	24041542-007	91.8	84.9					
160-54048-8	24041542-008	92.3	84.5					
160-54048-9	24041542-009	89.8	81.1					
160-54048-10	24041542-010	89.1	85.6					
160-54048-11	24041542-011	90.0	86.0					
160-54048-12	24041542-012	84.6	80.4					
160-54048-13	24041542-013	58.5	82.2					
160-54048-14	24041542-014	83.3	81.5					
160-54048-15	24041542-015	82.6	82.6					
160-54048-16	24041542-016	90.5	83.7					

Tracer/Carrier Summary

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

Job ID: 160-54048-1
SDG: 24041542

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)
160-54048-17	24041542-017	83.8	83.0
160-54048-18	24041542-018	90.3	83.7
160-54048-19	24041542-019	89.6	83.0
160-54048-20	24041542-020	89.3	83.7
LCS 160-661573/2-A	Lab Control Sample	95.0	87.5
MB 160-661573/1-A	Method Blank	96.8	87.9

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

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ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

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JOB DESCRIPTION

Radium-226 and Radium-228
24041542

JOB NUMBER

160-54048-2

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

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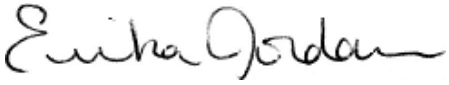
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Job Notes

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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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CASE NARRATIVE

Client: TekLab, Inc

Project: 24041542

Report Number: 160-54048-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

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 5/10/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 7 coolers at receipt time were 18.0°C, 18.4°C, 18.4°C, 18.5°C, 18.9°C, 19.1°C and 19.7°C.

Client provided updated chain-of-custody (COC) to correct sample collection times; 24041542-009, -013, -019, and -027. The original COC will be retained and issued with the report to capture receipt signatures.

Due to the large number of samples submitted, the job was split into 3 three series. This report is series 2 of 3.

Method 903.0 - Radium-226 (GFPC)
Samples 24041542-021 (160-54048-21), 24041542-022 (160-54048-22), 24041542-023 (160-54048-23), 24041542-024 (160-54048-24), 24041542-025 (160-54048-25), 24041542-026 (160-54048-26), 24041542-027 (160-54048-27), 24041542-028 (160-54048-28), 24041542-029 (160-54048-29), 24041542-030 (160-54048-30), 24041542-031 (160-54048-31), 24041542-032 (160-54048-32), 24041542-033 (160-54048-33), 24041542-034 (160-54048-34), 24041542-035 (160-54048-35), 24041542-036 (160-54048-36), 24041542-037 (160-54048-37), 24041542-038 (160-54048-38), 24041542-039 (160-54048-39) and 24041542-040 (160-54048-40) were analyzed for Radium-226 (GFPC). The samples were prepared on 5/14/2024 and analyzed

Job ID: 160-54048-2 (Continued) Eurofins St. Louis

on 6/10/2024.

The following sample(s) were prepared at a reduced aliquot due to matrix. The samples were yellow. 24041542-021 (160-54048-21), 24041542-026 (160-54048-26), 24041542-034 (160-54048-34), 24041542-035 (160-54048-35)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method 904.0 - Radium-228 (GFPC)
Samples 24041542-021 (160-54048-21), 24041542-022 (160-54048-22), 24041542-023 (160-54048-23), 24041542-024 (160-54048-24), 24041542-025 (160-54048-25), 24041542-026 (160-54048-26), 24041542-027 (160-54048-27), 24041542-028 (160-54048-28), 24041542-029 (160-54048-29), 24041542-030 (160-54048-30), 24041542-031 (160-54048-31), 24041542-032 (160-54048-32), 24041542-033 (160-54048-33), 24041542-034 (160-54048-34), 24041542-035 (160-54048-35), 24041542-036 (160-54048-36), 24041542-037 (160-54048-37), 24041542-038 (160-54048-38), 24041542-039 (160-54048-39) and 24041542-040 (160-54048-40) were analyzed for Radium-228 (GFPC). The samples were prepared on 5/14/2024 and analyzed on 6/5/2024.

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24041542-026 (160-54048-26) and 24041542-034 (160-54048-34) . 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 24041542-021 (160-54048-21), 24041542-022 (160-54048-22), 24041542-023 (160-54048-23), 24041542-024 (160-54048-24), 24041542-025 (160-54048-25), 24041542-026 (160-54048-26), 24041542-027 (160-54048-27), 24041542-028 (160-54048-28), 24041542-029 (160-54048-29), 24041542-030 (160-54048-30), 24041542-031 (160-54048-31), 24041542-032 (160-54048-32), 24041542-033 (160-54048-33), 24041542-034 (160-54048-34), 24041542-035 (160-54048-35), 24041542-036 (160-54048-36), 24041542-037 (160-54048-37), 24041542-038 (160-54048-38), 24041542-039 (160-54048-39) and 24041542-040 (160-54048-40) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 6/10/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 36143
Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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ERH 5/9/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-001	5/8/24 ~~1348~~ 0952	HNO3	Groundwater	✔		
	24041542-002	5/7/24 1016	HNO3	Groundwater	✔		
	24041542-003	4/30/24 1011	HNO3	Groundwater		✔	✔
	24041542-004	5/7/24 ~~1028~~ 1115 TE * 5/10/24	HNO3	Groundwater		✔	✔
	24041542-005	4/30/24 1238	HNO3	Groundwater		✔	✔
	24041542-006	4/30/24 1201	HNO3	Groundwater	✔	✔	✔
	24041542-007	4/30/24 1121	HNO3	Groundwater		✔	✔
	24041542-008	5/7/24 1253	HNO3	Groundwater	✔		
	24041542-009	4/30/24 ~~1020~~ 1056 *	HNO3	Groundwater	✔		
	24041542-010	4/30/24 ~~1058~~ 1028 *	HNO3	Groundwater	✔		
	24041542-011	5/1/24 1155	HNO3	Groundwater	✔		

160-54048 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
S Mc Daniels	5/10/24 1400	M. Pinette	5/10/24 1400
	5/10/24 1500		MAY 10 2024 1500

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA 3/2/2016

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: Teklab Sampling Team | QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143
Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-012	5/1/24 0952	HNO3	Groundwater	✔											
	24041542-013	5/6/24 1429	HNO3	Groundwater	✔											
	24041542-014	4/30/24 1319	HNO3	Groundwater	✔											
	24041542-015	5/2/24 1239	HNO3	Groundwater	✔											
	24041542-016	5/2/24 1147	HNO3	Groundwater	✔											
	24041542-017	5/8/24 0940	HNO3	Groundwater	✔											
	24041542-018	5/1/24 1337	HNO3	Groundwater	✔											
	24041542-019	5/1/24 1231	HNO3	Groundwater	✔											
	24041542-020	5/2/24 1033	HNO3	Groundwater	✔											
	24041542-021	5/2/24 0958	HNO3	Groundwater	✔											
	24041542-022	5/7/24 1145	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
Mia Durella	5/10/24 1400	M. Pinetta	5/10/24 1400
	5/10/24 1500		MAY 10 2024 1500

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SubCoolRevA 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: Teklab Sampling Team | QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-023	5/7/24 0940	HNO3	Groundwater	✔		
	24041542-024	5/3/24 0940	HNO3	Groundwater	✔		
	24041542-025	5/6/24 1407	HNO3	Groundwater	✔		
	24041542-026	5/3/24 1027	HNO3	Groundwater	✔		
	24041542-027	5/6/24 1100	HNO3	Groundwater	✔		
	24041542-028	5/6/24 1136	HNO3	Groundwater	✔		
	24041542-029	5/6/24 1222	HNO3	Groundwater	✔		
	24041542-030	5/6/24 1028	HNO3	Groundwater	✔		
	24041542-031	5/6/24 1154	HNO3	Groundwater	✔		
	24041542-032	5/1/24 1049	HNO3	Groundwater	✔		
	24041542-033	5/1/24 1441	HNO3	Groundwater	✔		

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	5/16/24 1400	M. Pinetta	5/16/24 1400
	5/16/24 1500		MAY 10 2024 1500

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Teklab Inc
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Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228								
	24041542-034	5/1/24 1347	HNO3	Groundwater	✔										
	24041542-035	5/2/24 1432	HNO3	Groundwater	✔										
	24041542-036	5/2/24 1135	HNO3	Groundwater	✔										
	24041542-037	5/2/24 1253	HNO3	Groundwater	✔										
	24041542-038	5/3/24 0955	HNO3	Groundwater	✔										
	24041542-039	5/6/24 1329	HNO3	Groundwater	✔										
	24041542-040	5/1/24 1213	HNO3	Groundwater	✔										
	24041542-041	4/30/24 ~~1336~~ 1413 *	HNO3	Groundwater	✔										
	24041542-042	4/30/24 ~~1225~~ 1307 *	HNO3	Groundwater	✔										
	24041542-043	5/2/24 1031	HNO3	Groundwater	✔										
	24041542-044	4/30/24 ~~1422~~ 1156 *	HNO3	Groundwater	✔										

*Relinquished By	Date/Time	Received By	Date/Time
	5/10/24 1400	M. Pinetta	5/10/24 1400
	5/10/24 1500		MAY 10 2024 1500

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SubCocRevA 3/2/2015

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: Teklab Sampling Team QC Level: 2

Comments: **Please Issue reports and invoices via email only**
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Project# 24041542

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 36143
Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-045	5/2/24 1406	HNO3	Groundwater	✔		
	24041542-046	5/6/24 1200	HNO3	Groundwater	✔		
	24041542-047	5/6/24 1028	HNO3	Groundwater	✔		
	24041542-048	5/6/24 1244	HNO3	Groundwater	✔		
	24041542-049	5/6/24 1313	HNO3	Groundwater	✔		
	24041542-050	5/6/24 1105	HNO3	Groundwater	✔		
	24041542-051	4/29/24 1452	HNO3	Groundwater	✔		
	24041542-052	4/30/24 ~~1006~~ 1036 TE EMS *	HNO3	Groundwater	✔		
	24041542-053	4/29/24 1311	HNO3	Groundwater	✔		
	24041542-054	5/7/24 1243	HNO3	Groundwater	✔		
	24041542-055	5/8/24 ~~1430~~ 1121 *	HNO3	Aqueous	✔	✔	✔

*Relinquished By	Date/Time	Received By	Date/Time
	5/10/24 1400		5/10/24 1400
	5/10/24 1500	M. Pinetta	MAY 10 2024 1500

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SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143
Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-056	5/7/24 1253	HNO3	Groundwater	✔		
	24041542-057	5/2/24 1239	HNO3	Groundwater	✔		
	24041542-058	5/6/24 1028	HNO3	Groundwater	✔		
	24041542-059	5/7/24 1243	HNO3	Groundwater	✔		
	24041542-060	5/8/24 ~~1121~~ 1135 TM 5/9/24 *	HNO3	Aqueous	✔	✔	✔
	24041542-063	5/7/24 1110	HNO3 *	~~Aqueous~~ GW	✔	✔	✔
	24041542-064	5/7/24 1208	HNO3 *	~~Aqueous~~ GW	✔	✔	✔
			HNO3	Groundwater	✔		
			HNO3	Groundwater	✔		
			HNO3	Groundwater			
			HNO3	Groundwater			

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	5/10/24 1450	M. Pinnette	5/10/24 1450
			MAY 10 2024

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SubCocRev 3/3/2016

TEKLAB, INC. Chain of Custody

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Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level: 2

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Project# 24041542

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 36143 Phone: 618 344-1004 ext. 33

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ERH 5/9/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-001	5/8/24 ~~1348~~ 0952	HNO3	Groundwater	✔		
	24041542-002	5/7/24 1016	HNO3	Groundwater	✔		
	24041542-003	4/30/24 1011	HNO3	Groundwater		✔	✔
	24041542-004	5/7/24 ~~1028~~ 1115 TF 5/16/24 *	HNO3	Groundwater		✔	✔
	24041542-005	4/30/24 1238	HNO3	Groundwater		✔	✔
	24041542-006	4/30/24 1201	HNO3	Groundwater	✔	✔	✔
	24041542-007	4/30/24 1121	HNO3	Groundwater		✔	✔
	24041542-008	5/7/24 1253	HNO3	Groundwater	✔		
	24041542-009	4/30/24 ~~1028~~ 1058 *	HNO3	Groundwater	✔		
	24041542-010	4/30/24 ~~1058~~ 1028 *	HNO3	Groundwater	✔		
	24041542-011	5/1/24 1155	HNO3	Groundwater	✔		

*Relinquished By	Date/Time	Received By	Date/Time
Sharon Rolls			

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SubCocRevA
3/2/2016

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Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level: 2

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Project# 24041542

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 36143 Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-012	5/1/24 0952	HNO3	Groundwater	✔											
	24041542-013	5/6/24 1429	HNO3	Groundwater	✔											
	24041542-014	4/30/24 1319	HNO3	Groundwater	✔											
	24041542-015	5/2/24 1239	HNO3	Groundwater	✔											
	24041542-016	5/2/24 1147	HNO3	Groundwater	✔											
	24041542-017	5/8/24 0940	HNO3	Groundwater	✔											
	24041542-018	5/1/24 1337	HNO3	Groundwater	✔											
	24041542-019	5/1/24 1231	HNO3	Groundwater	✔											
	24041542-020	5/2/24 1033	HNO3	Groundwater	✔											
	24041542-021	5/2/24 0958	HNO3	Groundwater	✔											
	24041542-022	5/7/24 1145	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
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Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-023	5/7/24 0940	HNO3	Groundwater	✔											
	24041542-024	5/3/24 0940	HNO3	Groundwater	✔											
	24041542-025	5/6/24 1407	HNO3	Groundwater	✔											
	24041542-026	5/3/24 1027	HNO3	Groundwater	✔											
	24041542-027	5/6/24 1100	HNO3	Groundwater	✔											
	24041542-028	5/6/24 1136	HNO3	Groundwater	✔											
	24041542-029	5/6/24 1222	HNO3	Groundwater	✔											
	24041542-030	5/6/24 1028	HNO3	Groundwater	✔											
	24041542-031	5/6/24 1154	HNO3	Groundwater	✔											
	24041542-032	5/1/24 1049	HNO3	Groundwater	✔											
	24041542-033	5/1/24 1441	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
Emily Dellis			

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3/2/2016

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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: Teklab Sampling Team | QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-034	5/1/24 1347	HNO3	Groundwater	✔											
	24041542-035	5/2/24 1432	HNO3	Groundwater	✔											
	24041542-036	5/2/24 1135	HNO3	Groundwater	✔											
	24041542-037	5/2/24 1253	HNO3	Groundwater	✔											
	24041542-038	5/3/24 0955	HNO3	Groundwater	✔											
	24041542-039	5/6/24 1329	HNO3	Groundwater	✔											
	24041542-040	5/1/24 1213	HNO3	Groundwater	✔											
	24041542-041	4/30/24 ~~4336~~ 1413 *	HNO3	Groundwater	✔											
	24041542-042	4/30/24 ~~1225~~ 1307 *	HNO3	Groundwater	✔											
	24041542-043	5/2/24 1031	HNO3	Groundwater	✔											
	24041542-044	4/30/24 ~~1422~~ 1150 *	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
Mike Dellall			

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA
3/2/2015

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

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5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
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Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-045	5/2/24 1406	HNO3	Groundwater	✔											
	24041542-046	5/6/24 1200	HNO3	Groundwater	✔											
	24041542-047	5/6/24 1028	HNO3	Groundwater	✔											
	24041542-048	5/6/24 1244	HNO3	Groundwater	✔											
	24041542-049	5/6/24 1313	HNO3	Groundwater	✔											
	24041542-050	5/6/24 1105	HNO3	Groundwater	✔											
	24041542-051	4/29/24 1452	HNO3	Groundwater	✔											
	24041542-052	4/30/24 ~~1006~~ 1107 TE	HNO3	Groundwater	✔											
	24041542-053	4/29/24 1311	HNO3	Groundwater	✔											
	24041542-054	5/7/24 1243	HNO3	Groundwater	✔											
	24041542-055	5/8/24 ~~1430~~ 1121	HNO3	Aqueous	✔	✔	✔									

*Relinquished By	Date/Time	Received By	Date/Time

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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Project# 24041542

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Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-056	5/7/24 1253	HNO3	Groundwater	✔											
	24041542-057	5/2/24 1239	HNO3	Groundwater	✔											
	24041542-058	5/6/24 1028	HNO3	Groundwater	✔											
	24041542-059	5/7/24 1243	HNO3	Groundwater	✔											
	24041542-060	5/8/24 ~~1121~~ 1135 TS 5/9/24 *	HNO3	Aqueous	✔	✔	✔									
	24041542-063	5/7/24 1110	HNO3 *	~~Aqueous~~ GW	✔	✔	✔									
	24041542-064	5/7/24 1208	HNO3 *	~~Aqueous~~ GW	✔	✔	✔									
			HNO3	Groundwater	✔											
			HNO3	Groundwater	✔											
			HNO3	Groundwater												
			HNO3	Groundwater												

*Relinquished By	Date/Time	Received By	Date/Time

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SubCocRev 3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54048-2
SDG Number: 24041542

Login Number: 54048
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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

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: 160-54048-2
SDG: 24041542

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: 160-54048-2
SDG: 24041542

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54048-21	24041542-021	Water	05/02/24 09:58	05/10/24 15:00
160-54048-22	24041542-022	Water	05/07/24 11:45	05/10/24 15:00
160-54048-23	24041542-023	Water	05/07/24 09:40	05/10/24 15:00
160-54048-24	24041542-024	Water	05/03/24 09:40	05/10/24 15:00
160-54048-25	24041542-025	Water	05/06/24 14:07	05/10/24 15:00
160-54048-26	24041542-026	Water	05/03/24 10:27	05/10/24 15:00
160-54048-27	24041542-027	Water	05/06/24 10:59	05/10/24 15:00
160-54048-28	24041542-028	Water	05/06/24 11:36	05/10/24 15:00
160-54048-29	24041542-029	Water	05/06/24 12:22	05/10/24 15:00
160-54048-30	24041542-030	Water	05/06/24 10:28	05/10/24 15:00
160-54048-31	24041542-031	Water	05/06/24 11:54	05/10/24 15:00
160-54048-32	24041542-032	Water	05/01/24 10:49	05/10/24 15:00
160-54048-33	24041542-033	Water	05/01/24 14:41	05/10/24 15:00
160-54048-34	24041542-034	Water	05/01/24 13:47	05/10/24 15:00
160-54048-35	24041542-035	Water	05/02/24 14:32	05/10/24 15:00
160-54048-36	24041542-036	Water	05/02/24 11:35	05/10/24 15:00
160-54048-37	24041542-037	Water	05/02/24 12:53	05/10/24 15:00
160-54048-38	24041542-038	Water	05/03/24 09:55	05/10/24 15:00
160-54048-39	24041542-039	Water	05/06/24 13:29	05/10/24 15:00
160-54048-40	24041542-040	Water	05/01/24 12:13	05/10/24 15:00

Client Sample Results

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

Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-021
Date Collected: 05/02/24 09:58
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-21
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	**0.347**		0.185	0.188	1.00	0.237	pCi/L	05/14/24 08:55	06/10/24 10:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.02**		0.625	0.632	1.00	0.907	pCi/L	05/14/24 08:58	06/05/24 16:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.4*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:23*	*1*
Y Carrier	*83.0*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.37**		0.652	0.659	5.00	0.907	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-022
Date Collected: 05/07/24 11:45
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-22
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	0.0345	U	0.0739	0.0740	1.00	0.136	pCi/L	05/14/24 08:55	06/10/24 10:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.4*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.750**		0.478	0.483	1.00	0.700	pCi/L	05/14/24 08:58	06/05/24 16:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.4*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:23*	*1*
Y Carrier	*74.8*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.785**		0.484	0.489	5.00	0.700	pCi/L		06/10/24 16:14	1

Client Sample Results

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

Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-023
Date Collected: 05/07/24 09:40
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-23
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	0.0358	U	0.0822	0.0823	1.00	0.150	pCi/L	05/14/24 08:55	06/10/24 10:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:30*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.330	U	0.275	0.277	1.00	0.625	pCi/L	05/14/24 08:58	06/05/24 16:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:23*	*1*
Y Carrier	*81.1*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0358	U	0.287	0.289	5.00	0.625	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-024
Date Collected: 05/03/24 09:40
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-24
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	0.141	U	0.102	0.103	1.00	0.144	pCi/L	05/14/24 08:55	06/10/24 10:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.1*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:30*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.367	U	0.415	0.417	1.00	0.681	pCi/L	05/14/24 08:58	06/05/24 16:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.1*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:23*	*1*
Y Carrier	*78.1*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.508	U	0.427	0.430	5.00	0.681	pCi/L		06/10/24 17:34	1

Client Sample Results

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

Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-025
Date Collected: 05/06/24 14:07
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-25
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	0.110	U	0.109	0.109	1.00	0.170	pCi/L	05/14/24 08:55	06/10/24 10:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*69.7*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:30*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.619	U	0.467	0.470	1.00	0.710	pCi/L	05/14/24 08:58	06/05/24 16:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*69.7*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*
Y Carrier	*80.4*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.729**		0.480	0.482	5.00	0.710	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-026
Date Collected: 05/03/24 10:27
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-26
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.151	U	0.165	0.166	1.00	0.266	pCi/L	05/14/24 08:55	06/10/24 10:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.7*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:30*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.107	U G	0.569	0.570	1.00	1.12	pCi/L	05/14/24 08:58	06/05/24 16:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.7*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*
Y Carrier	*66.5*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.151	U	0.592	0.594	5.00	1.12	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-027
Lab Sample ID: 160-54048-27
Date Collected: 05/06/24 10:59
Matrix: Water
Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.317		0.155	0.158	1.00	0.181	pCi/L	05/14/24 08:55	06/10/24 10:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*61.2*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:30*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.17		0.618	0.627	1.00	0.874	pCi/L	05/14/24 08:58	06/05/24 16:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*61.2*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*
Y Carrier	*80.7*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.49		0.637	0.647	5.00	0.874	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-028
Lab Sample ID: 160-54048-28
Date Collected: 05/06/24 11:36
Matrix: Water
Date Received: 05/10/24 15:00

Method: EPA 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	0.0898	0.0902	1.00	0.132	pCi/L	05/14/24 08:55	06/10/24 10:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.1*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:30*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.372	U	0.416	0.417	1.00	0.680	pCi/L	05/14/24 08:58	06/05/24 16:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.1*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*
Y Carrier	*79.6*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.474	U	0.426	0.427	5.00	0.680	pCi/L		06/10/24 17:34	1

Client Sample Results

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

Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-029
Date Collected: 05/06/24 12:22
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-29
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	0.297		0.121	0.124	1.00	0.121	pCi/L	05/14/24 08:55	06/10/24 10:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.928		0.423	0.432	1.00	0.566	pCi/L	05/14/24 08:58	06/05/24 16:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*
Y Carrier	*84.5*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.22		0.440	0.449	5.00	0.566	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-030
Date Collected: 05/06/24 10:28
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-30
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	0.0973	U	0.103	0.104	1.00	0.165	pCi/L	05/14/24 08:55	06/10/24 10:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0407	U	0.303	0.303	1.00	0.586	pCi/L	05/14/24 08:58	06/05/24 16:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*
Y Carrier	*83.7*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0973	U	0.320	0.320	5.00	0.586	pCi/L		06/10/24 17:34	1

Client Sample Results

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

Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-031
Date Collected: 05/06/24 11:54
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-31
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	0.156		0.103	0.104	1.00	0.139	pCi/L	05/14/24 08:55	06/10/24 10:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.6*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.535	U	0.414	0.417	1.00	0.634	pCi/L	05/14/24 08:58	06/05/24 16:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.6*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*
Y Carrier	*81.5*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.691		0.427	0.430	5.00	0.634	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-032
Date Collected: 05/01/24 10:49
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-32
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	0.0391	U	0.0854	0.0855	1.00	0.155	pCi/L	05/14/24 08:55	06/10/24 10:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.443	U	0.413	0.415	1.00	0.660	pCi/L	05/14/24 08:58	06/05/24 16:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*
Y Carrier	*83.0*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:24*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.482	U	0.422	0.424	5.00	0.660	pCi/L		06/10/24 17:34	1

Client Sample Results

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

Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-033
Date Collected: 05/01/24 14:41
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-33
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	0.0516	U	0.0671	0.0673	1.00	0.112	pCi/L	05/14/24 08:55	06/10/24 10:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.560	U	0.454	0.457	1.00	0.716	pCi/L	05/14/24 08:58	06/05/24 16:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:25*	*1*
Y Carrier	*80.7*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:25*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.612	U	0.459	0.462	5.00	0.716	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-034
Date Collected: 05/01/24 13:47
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-34
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	0.0856	U	0.165	0.165	1.00	0.292	pCi/L	05/14/24 08:55	06/10/24 10:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*57.7*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.534	U G	0.611	0.613	1.00	1.27	pCi/L	05/14/24 08:58	06/05/24 16:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*57.7*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:18*	*1*
Y Carrier	*83.4*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:18*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0856	U	0.633	0.635	5.00	1.27	pCi/L		06/10/24 17:34	1

Client Sample Results

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

Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-035
Date Collected: 05/02/24 14:32
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-35
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	0.262	U	0.196	0.198	1.00	0.293	pCi/L	05/14/24 08:55	06/10/24 10:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.6*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.10**		0.631	0.639	1.00	0.901	pCi/L	05/14/24 08:58	06/05/24 16:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.6*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:18*	*1*
Y Carrier	*81.1*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:18*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.36**		0.661	0.669	5.00	0.901	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-036
Date Collected: 05/02/24 11:35
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-36
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	0.170	U	0.120	0.121	1.00	0.173	pCi/L	05/14/24 08:55	06/10/24 10:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:31*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.204	U	0.353	0.353	1.00	0.604	pCi/L	05/14/24 08:58	06/05/24 16:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:19*	*1*
Y Carrier	*78.9*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:19*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.374	U	0.373	0.373	5.00	0.604	pCi/L		06/10/24 17:34	1

Client Sample Results

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

Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-037
Date Collected: 05/02/24 12:53
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-37
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.139	U	0.105	0.105	1.00	0.153	pCi/L	05/14/24 08:55	06/10/24 10:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:24*	*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	**0.580**		0.387	0.391	1.00	0.576	pCi/L	05/14/24 08:58	06/05/24 16:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.8*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:19*	*1*
Y Carrier	*85.2*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:19*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.718**		0.401	0.405	5.00	0.576	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-038
Date Collected: 05/03/24 09:55
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-38
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	-0.0204	U	0.0708	0.0709	1.00	0.153	pCi/L	05/14/24 08:55	06/10/24 10:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:24*	*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	0.470	U	0.377	0.380	1.00	0.583	pCi/L	05/14/24 08:58	06/05/24 16:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:19*	*1*
Y Carrier	*76.3*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:19*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.470	U	0.384	0.387	5.00	0.583	pCi/L		06/10/24 17:34	1

Client Sample Results

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

Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-039
Date Collected: 05/06/24 13:29
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-39
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	0.103	U	0.0897	0.0901	1.00	0.136	pCi/L	05/14/24 08:55	06/10/24 10:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:25*	*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	0.240	U	0.316	0.316	1.00	0.527	pCi/L	05/14/24 08:58	06/05/24 16:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:19*	*1*
Y Carrier	*84.9*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:19*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.343	U	0.328	0.329	5.00	0.527	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-040
Date Collected: 05/01/24 12:13
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-40
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	0.0482	U	0.0860	0.0861	1.00	0.151	pCi/L	05/14/24 08:55	06/10/24 10:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:24*	*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	0.0442	U	0.327	0.327	1.00	0.596	pCi/L	05/14/24 08:58	06/05/24 16:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:19*	*1*
Y Carrier	*81.5*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:19*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0924	U	0.338	0.338	5.00	0.596	pCi/L		06/10/24 17:34	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-661574/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 665297 — **Prep Batch: 661574**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02627	U	0.0511	0.0512	1.00	0.0945	pCi/L	05/14/24 08:55	06/10/24 10:14	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*05/14/24 08:55*	*06/10/24 10:14*	*1*

Lab Sample ID: LCS 160-661574/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 665297 — **Prep Batch: 661574**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	8.937		0.989	1.00	0.101	pCi/L	79	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.3*		*30 - 110*

Lab Sample ID: 160-54048-24 DU — **Client Sample ID: 24041542-024**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 665614 — **Prep Batch: 661574**

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.141	U		0.2518		0.128	1.00	0.155	pCi/L			0.48	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*86.1*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-661575/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 664836 — **Prep Batch: 661575**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4035	U	0.358	0.360	1.00	0.567	pCi/L	05/14/24 08:58	06/05/24 16:22	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:22*	*1*
Y Carrier	*85.2*		*30 - 110*	*05/14/24 08:58*	*06/05/24 16:22*	*1*

QC Sample Results

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

Job ID: 160-54048-2
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-661575/2-A
Matrix: Water
Analysis Batch: 664836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661575

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.88	9.382		1.31	1.00	0.584	pCi/L	106	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.3*		*30 - 110*
Y Carrier	*80.7*		*30 - 110*

Lab Sample ID: 160-54048-24 DU
Matrix: Water
Analysis Batch: 664836

Client Sample ID: 24041542-024
Prep Type: Total/NA
Prep Batch: 661575

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.367	U		0.4117	U	0.381	1.00	0.600	pCi/L			0.06	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*86.1*		*30 - 110*
Y Carrier	*74.4*		*30 - 110*

QC Association Summary

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

Job ID: 160-54048-2
SDG: 24041542

Rad

Prep Batch: 661574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-21	24041542-021	Total/NA	Water	PrecSep-21	
160-54048-22	24041542-022	Total/NA	Water	PrecSep-21	
160-54048-23	24041542-023	Total/NA	Water	PrecSep-21	
160-54048-24	24041542-024	Total/NA	Water	PrecSep-21	
160-54048-25	24041542-025	Total/NA	Water	PrecSep-21	
160-54048-26	24041542-026	Total/NA	Water	PrecSep-21	
160-54048-27	24041542-027	Total/NA	Water	PrecSep-21	
160-54048-28	24041542-028	Total/NA	Water	PrecSep-21	
160-54048-29	24041542-029	Total/NA	Water	PrecSep-21	
160-54048-30	24041542-030	Total/NA	Water	PrecSep-21	
160-54048-31	24041542-031	Total/NA	Water	PrecSep-21	
160-54048-32	24041542-032	Total/NA	Water	PrecSep-21	
160-54048-33	24041542-033	Total/NA	Water	PrecSep-21	
160-54048-34	24041542-034	Total/NA	Water	PrecSep-21	
160-54048-35	24041542-035	Total/NA	Water	PrecSep-21	
160-54048-36	24041542-036	Total/NA	Water	PrecSep-21	
160-54048-37	24041542-037	Total/NA	Water	PrecSep-21	
160-54048-38	24041542-038	Total/NA	Water	PrecSep-21	
160-54048-39	24041542-039	Total/NA	Water	PrecSep-21	
160-54048-40	24041542-040	Total/NA	Water	PrecSep-21	
MB 160-661574/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661574/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54048-24 DU	24041542-024	Total/NA	Water	PrecSep-21	

Prep Batch: 661575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-21	24041542-021	Total/NA	Water	PrecSep_0	
160-54048-22	24041542-022	Total/NA	Water	PrecSep_0	
160-54048-23	24041542-023	Total/NA	Water	PrecSep_0	
160-54048-24	24041542-024	Total/NA	Water	PrecSep_0	
160-54048-25	24041542-025	Total/NA	Water	PrecSep_0	
160-54048-26	24041542-026	Total/NA	Water	PrecSep_0	
160-54048-27	24041542-027	Total/NA	Water	PrecSep_0	
160-54048-28	24041542-028	Total/NA	Water	PrecSep_0	
160-54048-29	24041542-029	Total/NA	Water	PrecSep_0	
160-54048-30	24041542-030	Total/NA	Water	PrecSep_0	
160-54048-31	24041542-031	Total/NA	Water	PrecSep_0	
160-54048-32	24041542-032	Total/NA	Water	PrecSep_0	
160-54048-33	24041542-033	Total/NA	Water	PrecSep_0	
160-54048-34	24041542-034	Total/NA	Water	PrecSep_0	
160-54048-35	24041542-035	Total/NA	Water	PrecSep_0	
160-54048-36	24041542-036	Total/NA	Water	PrecSep_0	
160-54048-37	24041542-037	Total/NA	Water	PrecSep_0	
160-54048-38	24041542-038	Total/NA	Water	PrecSep_0	
160-54048-39	24041542-039	Total/NA	Water	PrecSep_0	
160-54048-40	24041542-040	Total/NA	Water	PrecSep_0	
MB 160-661575/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661575/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54048-24 DU	24041542-024	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-54048-2
SDG: 24041542

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)						
160-54048-21	24041542-021	73.4						
160-54048-22	24041542-022	76.4						
160-54048-23	24041542-023	82.3						
160-54048-24	24041542-024	81.1						
160-54048-24 DU	24041542-024	86.1						
160-54048-25	24041542-025	69.7						
160-54048-26	24041542-026	67.7						
160-54048-27	24041542-027	61.2						
160-54048-28	24041542-028	79.1						
160-54048-29	24041542-029	86.3						
160-54048-30	24041542-030	85.1						
160-54048-31	24041542-031	79.6						
160-54048-32	24041542-032	88.8						
160-54048-33	24041542-033	94.5						
160-54048-34	24041542-034	57.7						
160-54048-35	24041542-035	71.6						
160-54048-36	24041542-036	90.3						
160-54048-37	24041542-037	83.8						
160-54048-38	24041542-038	89.3						
160-54048-39	24041542-039	91.5						
160-54048-40	24041542-040	91.3						
LCS 160-661574/2-A	Lab Control Sample	91.3						
MB 160-661574/1-A	Method Blank	92.5						

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)					
160-54048-21	24041542-021	73.4	83.0					
160-54048-22	24041542-022	76.4	74.8					
160-54048-23	24041542-023	82.3	81.1					
160-54048-24	24041542-024	81.1	78.1					
160-54048-24 DU	24041542-024	86.1	74.4					
160-54048-25	24041542-025	69.7	80.4					
160-54048-26	24041542-026	67.7	66.5					
160-54048-27	24041542-027	61.2	80.7					
160-54048-28	24041542-028	79.1	79.6					
160-54048-29	24041542-029	86.3	84.5					
160-54048-30	24041542-030	85.1	83.7					
160-54048-31	24041542-031	79.6	81.5					
160-54048-32	24041542-032	88.8	83.0					
160-54048-33	24041542-033	94.5	80.7					
160-54048-34	24041542-034	57.7	83.4					
160-54048-35	24041542-035	71.6	81.1					
160-54048-36	24041542-036	90.3	78.9					

Tracer/Carrier Summary

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

Job ID: 160-54048-2
SDG: 24041542

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)								
160-54048-37	24041542-037	83.8	85.2								
160-54048-38	24041542-038	89.3	76.3								
160-54048-39	24041542-039	91.5	84.9								
160-54048-40	24041542-040	91.3	81.5								
LCS 160-661575/2-A	Lab Control Sample	91.3	80.7								
MB 160-661575/1-A	Method Blank	92.5	85.2								

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

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ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 6/13/2024 11:46:51 AM

JOB DESCRIPTION

Radium-226 and Radium-228
24041542

JOB NUMBER

160-54048-3

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

my EOL

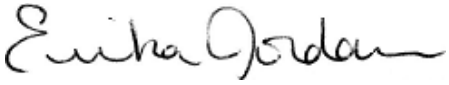
Eurofins St. Louis

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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CASE NARRATIVE

Client: TekLab, Inc

Project: 24041542

Report Number: 160-54048-3

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 5/10/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 18.0°C, 18.4°C, 18.4°C, 18.5°C, 18.9°C, 19.1°C and 19.7°C.

Client provided updated chain-of-custody (COC) to correct sample collection times; 24041542-009, -013, -019, and -027. The original COC will be retained and issued with the report to capture receipt signatures.

Due to the large number of samples submitted, the job was split into 3 three series. This report is series 3 of 3.

Method 903.0 - Radium-226 (GFPC)
Samples 24041542-041 (160-54048-41), 24041542-042 (160-54048-42), 24041542-043 (160-54048-43), 24041542-044 (160-54048-44), 24041542-045 (160-54048-45), 24041542-046 (160-54048-46), 24041542-047 (160-54048-47), 24041542-048 (160-54048-48), 24041542-049 (160-54048-49), 24041542-050 (160-54048-50), 24041542-051 (160-54048-51), 24041542-052 (160-54048-52), 24041542-053 (160-54048-53), 24041542-054 (160-54048-54), 24041542-055 (160-54048-55), 24041542-056 (160-54048-56), 24041542-057 (160-54048-57), 24041542-058 (160-54048-58), 24041542-059 (160-54048-59), 24041542-060 (160-54048-60), 24041542-063 (160-54048-61) and 24041542-064 (160-54048-62) were analyzed for Radium-226 (GFPC). The

Job ID: 160-54048-3 (Continued) Eurofins St. Louis

samples were prepared on 5/15/2024 and analyzed on 6/7/2024 and 6/11/2024.

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 24041542-041 (160-54048-41), 24041542-042 (160-54048-42), 24041542-043 (160-54048-43), 24041542-044 (160-54048-44), 24041542-045 (160-54048-45), 24041542-046 (160-54048-46), 24041542-047 (160-54048-47), 24041542-048 (160-54048-48), 24041542-049 (160-54048-49), 24041542-050 (160-54048-50), 24041542-051 (160-54048-51), 24041542-052 (160-54048-52), 24041542-053 (160-54048-53), 24041542-054 (160-54048-54), 24041542-055 (160-54048-55), 24041542-056 (160-54048-56), 24041542-057 (160-54048-57), 24041542-058 (160-54048-58), 24041542-059 (160-54048-59), 24041542-060 (160-54048-60), 24041542-063 (160-54048-61) and 24041542-064 (160-54048-62) were analyzed for Radium-228 (GFPC). The samples were prepared on 5/15/2024 and analyzed on 6/5/2024 and 6/6/2024.

No 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 24041542-041 (160-54048-41), 24041542-042 (160-54048-42), 24041542-043 (160-54048-43), 24041542-044 (160-54048-44), 24041542-045 (160-54048-45), 24041542-046 (160-54048-46), 24041542-047 (160-54048-47), 24041542-048 (160-54048-48), 24041542-049 (160-54048-49), 24041542-050 (160-54048-50), 24041542-051 (160-54048-51), 24041542-052 (160-54048-52), 24041542-053 (160-54048-53), 24041542-054 (160-54048-54), 24041542-055 (160-54048-55), 24041542-056 (160-54048-56), 24041542-057 (160-54048-57), 24041542-058 (160-54048-58), 24041542-059 (160-54048-59), 24041542-060 (160-54048-60), 24041542-063 (160-54048-61) and 24041542-064 (160-54048-62) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 6/13/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143
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.

ERH 5/9/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-001	5/8/24 ~~1348~~ 0952	HNO3	Groundwater	✔		
	24041542-002	5/7/24 1016	HNO3	Groundwater	✔		
	24041542-003	4/30/24 1011	HNO3	Groundwater		✔	✔
	24041542-004	5/7/24 ~~1028~~ 1115 TE * 5/10/24	HNO3	Groundwater		✔	✔
	24041542-005	4/30/24 1238	HNO3	Groundwater		✔	✔
	24041542-006	4/30/24 1201	HNO3	Groundwater	✔	✔	✔
	24041542-007	4/30/24 1121	HNO3	Groundwater		✔	✔
	24041542-008	5/7/24 1253	HNO3	Groundwater	✔		
	24041542-009	4/30/24 ~~1020~~ 1056 *	HNO3	Groundwater	✔		
	24041542-010	4/30/24 ~~1058~~ 1028 *	HNO3	Groundwater	✔		
	24041542-011	5/1/24 1155	HNO3	Groundwater	✔		

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	5/10/24 1400	M. Pinette	5/10/24 1400
[signature]	5/10/24 1500		MAY 10 2024 1500

160-54048 Chain of Custody

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization and proprietary rights.
Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA
3/2/2016

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: Teklab Sampling Team | QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143
Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-012	5/1/24 0952	HNO3	Groundwater	✔											
	24041542-013	5/6/24 1429	HNO3	Groundwater	✔											
	24041542-014	4/30/24 1319	HNO3	Groundwater	✔											
	24041542-015	5/2/24 1239	HNO3	Groundwater	✔											
	24041542-016	5/2/24 1147	HNO3	Groundwater	✔											
	24041542-017	5/8/24 0940	HNO3	Groundwater	✔											
	24041542-018	5/1/24 1337	HNO3	Groundwater	✔											
	24041542-019	5/1/24 1231	HNO3	Groundwater	✔											
	24041542-020	5/2/24 1033	HNO3	Groundwater	✔											
	24041542-021	5/2/24 0958	HNO3	Groundwater	✔											
	24041542-022	5/7/24 1145	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
Mia Durella	5/10/24 1400	M. Pinetta	5/10/24 1400
	5/10/24 1500		MAY 10 2024 1500

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SubCoolRevA 3/2/2016

TEKLAB, INC. Chain of Custody

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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: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
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Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-023	5/7/24 0940	HNO3	Groundwater	✔											
	24041542-024	5/3/24 0940	HNO3	Groundwater	✔											
	24041542-025	5/6/24 1407	HNO3	Groundwater	✔											
	24041542-026	5/3/24 1027	HNO3	Groundwater	✔											
	24041542-027	5/6/24 1100	HNO3	Groundwater	✔											
	24041542-028	5/6/24 1136	HNO3	Groundwater	✔											
	24041542-029	5/6/24 1222	HNO3	Groundwater	✔											
	24041542-030	5/6/24 1028	HNO3	Groundwater	✔											
	24041542-031	5/6/24 1154	HNO3	Groundwater	✔											
	24041542-032	5/1/24 1049	HNO3	Groundwater	✔											
	24041542-033	5/1/24 1441	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	5/16/24 1400	[signature]	5/16/24 1400
	5/16/24 1500	M. Pinetta	MAY 10 2024 1500

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SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

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Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-034	5/1/24 1347	HNO3	Groundwater	✔											
	24041542-035	5/2/24 1432	HNO3	Groundwater	✔											
	24041542-036	5/2/24 1135	HNO3	Groundwater	✔											
	24041542-037	5/2/24 1253	HNO3	Groundwater	✔											
	24041542-038	5/3/24 0955	HNO3	Groundwater	✔											
	24041542-039	5/6/24 1329	HNO3	Groundwater	✔											
	24041542-040	5/1/24 1213	HNO3	Groundwater	✔											
	24041542-041	4/30/24 ~~1336~~ 1413 *	HNO3	Groundwater	✔											
	24041542-042	4/30/24 ~~1225~~ 1307 *	HNO3	Groundwater	✔											
	24041542-043	5/2/24 1031	HNO3	Groundwater	✔											
	24041542-044	4/30/24 ~~1422~~ 1156 *	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	5/10/24 1400	M. Pinetta	5/10/24 1400
	5/10/24 1500		MAY 10 2024 1500

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SubCocRevA 3/2/2015

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: Teklab Sampling Team | QC Level: 2

Project# 24041542

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Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143
Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-045	5/2/24 1406	HNO3	Groundwater	✔		
	24041542-046	5/6/24 1200	HNO3	Groundwater	✔		
	24041542-047	5/6/24 1028	HNO3	Groundwater	✔		
	24041542-048	5/6/24 1244	HNO3	Groundwater	✔		
	24041542-049	5/6/24 1313	HNO3	Groundwater	✔		
	24041542-050	5/6/24 1105	HNO3	Groundwater	✔		
	24041542-051	4/29/24 1452	HNO3	Groundwater	✔		
	24041542-052	4/30/24 ~~1006~~ 1036 TE EMS * STAT	HNO3	Groundwater	✔		
	24041542-053	4/29/24 1311	HNO3	Groundwater	✔		
	24041542-054	5/7/24 1243	HNO3	Groundwater	✔		
	24041542-055	5/8/24 ~~1430~~ 1121 *	HNO3	Aqueous	✔	✔	✔

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	5/10/24 1400	[signature]	5/10/24 1400
	5/10/24 1500	M. Pinetta	MAY 10 2024 1500

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143
Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-056	5/7/24 1253	HNO3	Groundwater	✔		
	24041542-057	5/2/24 1239	HNO3	Groundwater	✔		
	24041542-058	5/6/24 1028	HNO3	Groundwater	✔		
	24041542-059	5/7/24 1243	HNO3	Groundwater	✔		
	24041542-060	5/8/24 ~~1121~~ 1135 TM 5/9/24 *	HNO3	Aqueous	✔	✔	✔
	24041542-063	5/7/24 1110	HNO3 *	~~Aqueous~~ GW	✔	✔	✔
	24041542-064	5/7/24 1208	HNO3 *	~~Aqueous~~ GW	✔	✔	✔
			HNO3	Groundwater	✔		
			HNO3	Groundwater	✔		
			HNO3	Groundwater			
			HNO3	Groundwater			

*Relinquished By	Date/Time	Received By	Date/Time
	5/10/24 1450	M. Pinnette	5/10/24 1450
			MAY 10 2024

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SubCocRev 3/3/2016

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: Teklab Sampling Team | QC Level: 2

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Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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ERH 5/9/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24041542-001	5/8/24 ~~1348~~ 0952	HNO3	Groundwater	✔		
	24041542-002	5/7/24 1016	HNO3	Groundwater	✔		
	24041542-003	4/30/24 1011	HNO3	Groundwater		✔	✔
	24041542-004	5/7/24 ~~1028~~ 1115 TF 5/16/24 *	HNO3	Groundwater		✔	✔
	24041542-005	4/30/24 1238	HNO3	Groundwater		✔	✔
	24041542-006	4/30/24 1201	HNO3	Groundwater	✔	✔	✔
	24041542-007	4/30/24 1121	HNO3	Groundwater		✔	✔
	24041542-008	5/7/24 1253	HNO3	Groundwater	✔		
	24041542-009	4/30/24 ~~1028~~ 1058 *	HNO3	Groundwater	✔		
	24041542-010	4/30/24 ~~1058~~ 1028 *	HNO3	Groundwater	✔		
	24041542-011	5/1/24 1155	HNO3	Groundwater	✔		

*Relinquished By	Date/Time	Received By	Date/Time
Erin Delaney			

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SubCocRevA
3/2/2016

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Teklab Inc
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Cooler Temp: Sampler: Teklab Sampling Team QC Level: 2

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Project# 24041542

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 36143 Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-012	5/1/24 0952	HNO3	Groundwater	✔											
	24041542-013	5/6/24 1429	HNO3	Groundwater	✔											
	24041542-014	4/30/24 1319	HNO3	Groundwater	✔											
	24041542-015	5/2/24 1239	HNO3	Groundwater	✔											
	24041542-016	5/2/24 1147	HNO3	Groundwater	✔											
	24041542-017	5/8/24 0940	HNO3	Groundwater	✔											
	24041542-018	5/1/24 1337	HNO3	Groundwater	✔											
	24041542-019	5/1/24 1231	HNO3	Groundwater	✔											
	24041542-020	5/2/24 1033	HNO3	Groundwater	✔											
	24041542-021	5/2/24 0958	HNO3	Groundwater	✔											
	24041542-022	5/7/24 1145	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time

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SubCocRevA
3/2/2016

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-023	5/7/24 0940	HNO3	Groundwater	✔											
	24041542-024	5/3/24 0940	HNO3	Groundwater	✔											
	24041542-025	5/6/24 1407	HNO3	Groundwater	✔											
	24041542-026	5/3/24 1027	HNO3	Groundwater	✔											
	24041542-027	5/6/24 1100	HNO3	Groundwater	✔											
	24041542-028	5/6/24 1136	HNO3	Groundwater	✔											
	24041542-029	5/6/24 1222	HNO3	Groundwater	✔											
	24041542-030	5/6/24 1028	HNO3	Groundwater	✔											
	24041542-031	5/6/24 1154	HNO3	Groundwater	✔											
	24041542-032	5/1/24 1049	HNO3	Groundwater	✔											
	24041542-033	5/1/24 1441	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
Emily Delaney			

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SubCocRevA
3/2/2016

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Project# 24041542

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Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-034	5/1/24 1347	HNO3	Groundwater	✔											
	24041542-035	5/2/24 1432	HNO3	Groundwater	✔											
	24041542-036	5/2/24 1135	HNO3	Groundwater	✔											
	24041542-037	5/2/24 1253	HNO3	Groundwater	✔											
	24041542-038	5/3/24 0955	HNO3	Groundwater	✔											
	24041542-039	5/6/24 1329	HNO3	Groundwater	✔											
	24041542-040	5/1/24 1213	HNO3	Groundwater	✔											
	24041542-041	4/30/24 ~~1336~~ 1413 *	HNO3	Groundwater	✔											
	24041542-042	4/30/24 ~~1225~~ 1307 *	HNO3	Groundwater	✔											
	24041542-043	5/2/24 1031	HNO3	Groundwater	✔											
	24041542-044	4/30/24 ~~1422~~ 1150 *	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
Mike Dellall			

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SubCocRevA
3/2/2016

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Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-045	5/2/24 1406	HNO3	Groundwater	✔											
	24041542-046	5/6/24 1200	HNO3	Groundwater	✔											
	24041542-047	5/6/24 1028	HNO3	Groundwater	✔											
	24041542-048	5/6/24 1244	HNO3	Groundwater	✔											
	24041542-049	5/6/24 1313	HNO3	Groundwater	✔											
	24041542-050	5/6/24 1105	HNO3	Groundwater	✔											
	24041542-051	4/29/24 1452	HNO3	Groundwater	✔											
	24041542-052	4/30/24 ~~1006~~ 1107 TE	HNO3	Groundwater	✔											
	24041542-053	4/29/24 1311	HNO3	Groundwater	✔											
	24041542-054	5/7/24 1243	HNO3	Groundwater	✔											
	24041542-055	5/8/24 ~~1430~~ 1121	HNO3	Aqueous	✔	✔	✔									

*Relinquished By	Date/Time	Received By	Date/Time

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights.
Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA
3/2/2016

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: Teklab Sampling Team | QC Level: 2

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

Project# 24041542

Contact: Elizabeth Hurley | Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT | Billing/PO: 36143 | Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24041542-056	5/7/24 1253	HNO3	Groundwater	✔											
	24041542-057	5/2/24 1239	HNO3	Groundwater	✔											
	24041542-058	5/6/24 1028	HNO3	Groundwater	✔											
	24041542-059	5/7/24 1243	HNO3	Groundwater	✔											
	24041542-060	5/8/24 ~~1121~~ 1135 TS 5/9/24 *	HNO3	Aqueous	✔	✔	✔									
	24041542-063	5/7/24 1110	HNO3 *	~~Aqueous~~ GW	✔	✔	✔									
	24041542-064	5/7/24 1208	HNO3 *	~~Aqueous~~ GW	✔	✔	✔									
			HNO3	Groundwater	✔											
			HNO3	Groundwater	✔											
			HNO3	Groundwater												
			HNO3	Groundwater												

*Relinquished By	Date/Time	Received By	Date/Time

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SubCocRev 3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54048-3
SDG Number: 24041542

Login Number: 54048
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: 160-54048-3
SDG: 24041542

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: 160-54048-3
SDG: 24041542

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54048-41	24041542-041	Water	04/30/24 14:13	05/10/24 15:00
160-54048-42	24041542-042	Water	04/30/24 13:07	05/10/24 15:00
160-54048-43	24041542-043	Water	05/02/24 10:31	05/10/24 15:00
160-54048-44	24041542-044	Water	04/30/24 11:56	05/10/24 15:00
160-54048-45	24041542-045	Water	05/02/24 14:06	05/10/24 15:00
160-54048-46	24041542-046	Water	05/06/24 12:00	05/10/24 15:00
160-54048-47	24041542-047	Water	05/06/24 10:28	05/10/24 15:00
160-54048-48	24041542-048	Water	05/06/24 12:44	05/10/24 15:00
160-54048-49	24041542-049	Water	05/06/24 13:13	05/10/24 15:00
160-54048-50	24041542-050	Water	05/06/24 11:05	05/10/24 15:00
160-54048-51	24041542-051	Water	04/29/24 14:52	05/10/24 15:00
160-54048-52	24041542-052	Water	04/30/24 10:36	05/10/24 15:00
160-54048-53	24041542-053	Water	04/29/24 13:11	05/10/24 15:00
160-54048-54	24041542-054	Water	05/07/24 12:43	05/10/24 15:00
160-54048-55	24041542-055	Water	05/08/24 11:21	05/10/24 15:00
160-54048-56	24041542-056	Water	05/07/24 12:53	05/10/24 15:00
160-54048-57	24041542-057	Water	05/02/24 12:39	05/10/24 15:00
160-54048-58	24041542-058	Water	05/06/24 10:28	05/10/24 15:00
160-54048-59	24041542-059	Water	05/07/24 12:43	05/10/24 15:00
160-54048-60	24041542-060	Water	05/08/24 11:35	05/10/24 15:00
160-54048-61	24041542-063	Water	05/07/24 11:10	05/10/24 15:00
160-54048-62	24041542-064	Water	05/07/24 12:08	05/10/24 15:00

Client Sample Results

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

Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-041
Date Collected: 04/30/24 14:13
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-41
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	0.209		0.103	0.105	1.00	0.115	pCi/L	05/15/24 09:08	06/11/24 07:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.454		0.288	0.291	1.00	0.411	pCi/L	05/15/24 09:12	06/06/24 11:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:34*	*1*
Y Carrier	*81.5*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:34*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.664		0.306	0.309	5.00	0.411	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-042
Date Collected: 04/30/24 13:07
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-42
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	0.352		0.125	0.129	1.00	0.114	pCi/L	05/15/24 09:08	06/11/24 07:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:51*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.533	U	0.377	0.380	1.00	0.574	pCi/L	05/15/24 09:12	06/06/24 11:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:34*	*1*
Y Carrier	*78.9*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:34*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.884		0.397	0.401	5.00	0.574	pCi/L		06/13/24 11:16	1

Client Sample Results

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

Client Sample ID: 24041542-043
Date Collected: 05/02/24 10:31
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-43
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	0.0295	U	0.0653	0.0654	1.00	0.121	pCi/L	05/15/24 09:08	06/11/24 07:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0629	U	0.264	0.264	1.00	0.482	pCi/L	05/15/24 09:12	06/06/24 11:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:34*	*1*
Y Carrier	*83.0*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:34*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0924	U	0.272	0.272	5.00	0.482	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-044
Date Collected: 04/30/24 11:56
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-44
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	0.0416	U	0.0868	0.0869	1.00	0.156	pCi/L	05/15/24 09:08	06/11/24 07:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:52*	*1*

Method: 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**		0.392	0.403	1.00	0.487	pCi/L	05/15/24 09:12	06/06/24 11:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:34*	*1*
Y Carrier	*82.6*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:34*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-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**		0.401	0.412	5.00	0.487	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-045
Lab Sample ID: 160-54048-45
Date Collected: 05/02/24 14:06
Matrix: Water
Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0407	U	0.0716	0.0717	1.00	0.127	pCi/L	05/15/24 09:08	06/11/24 07:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:52*	*1*

Method: 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	0.315	0.317	1.00	0.517	pCi/L	05/15/24 09:12	06/06/24 11:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:34*	*1*
Y Carrier	*80.7*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:34*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.317	U	0.323	0.325	5.00	0.517	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-046
Lab Sample ID: 160-54048-46
Date Collected: 05/06/24 12:00
Matrix: Water
Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.165**		0.0948	0.0960	1.00	0.115	pCi/L	05/15/24 09:08	06/11/24 07:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.255	U	0.306	0.307	1.00	0.505	pCi/L	05/15/24 09:12	06/06/24 11:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:42*	*1*
Y Carrier	*81.5*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:42*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.420	U	0.320	0.322	5.00	0.505	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-047
Date Collected: 05/06/24 10:28
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-47
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	0.168		0.110	0.111	1.00	0.152	pCi/L	05/15/24 09:08	06/11/24 07:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.395	U	0.335	0.337	1.00	0.524	pCi/L	05/15/24 09:12	06/06/24 11:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:42*	*1*
Y Carrier	*82.2*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:42*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.562		0.353	0.355	5.00	0.524	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-048
Date Collected: 05/06/24 12:44
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-48
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	0.139	U	0.114	0.114	1.00	0.171	pCi/L	05/15/24 09:08	06/11/24 07:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:52*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.265	U	0.302	0.303	1.00	0.494	pCi/L	05/15/24 09:12	06/06/24 11:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.3*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:42*	*1*
Y Carrier	*78.9*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:42*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.405	U	0.323	0.324	5.00	0.494	pCi/L		06/13/24 11:16	1

Client Sample Results

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

Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-049
Date Collected: 05/06/24 13:13
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-49
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	0.101	U	0.0977	0.0982	1.00	0.153	pCi/L	05/15/24 09:08	06/11/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.8*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:45*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.303	U	0.361	0.362	1.00	0.595	pCi/L	05/15/24 09:12	06/06/24 11:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.8*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:42*	*1*
Y Carrier	*81.9*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:42*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.404	U	0.374	0.375	5.00	0.595	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-050
Date Collected: 05/06/24 11:05
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-50
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	0.0903	U	0.0948	0.0951	1.00	0.152	pCi/L	05/15/24 09:08	06/11/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:45*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.102	U	0.298	0.298	1.00	0.529	pCi/L	05/15/24 09:12	06/06/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:43*	*1*
Y Carrier	*84.5*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.192	U	0.313	0.313	5.00	0.529	pCi/L		06/13/24 11:16	1

Client Sample Results

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

Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-051
Date Collected: 04/29/24 14:52
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-51
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	0.139	U	0.102	0.103	1.00	0.146	pCi/L	05/15/24 09:08	06/11/24 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.281	U	0.305	0.306	1.00	0.495	pCi/L	05/15/24 09:12	06/06/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:43*	*1*
Y Carrier	*84.5*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.420	U	0.322	0.323	5.00	0.495	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-052
Date Collected: 04/30/24 10:36
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-52
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	**0.352**		0.129	0.132	1.00	0.126	pCi/L	05/15/24 09:08	06/11/24 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.455	U	0.316	0.318	1.00	0.465	pCi/L	05/15/24 09:12	06/06/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.6*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:43*	*1*
Y Carrier	*80.0*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.807**		0.341	0.344	5.00	0.465	pCi/L		06/13/24 11:16	1

Client Sample Results

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

Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-053
Date Collected: 04/29/24 13:11
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-53
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	0.125	U	0.100	0.101	1.00	0.148	pCi/L	05/15/24 09:08	06/11/24 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.206	U	0.373	0.374	1.00	0.641	pCi/L	05/15/24 09:12	06/06/24 11:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:43*	*1*
Y Carrier	*84.5*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:43*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.331	U	0.386	0.387	5.00	0.641	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-054
Date Collected: 05/07/24 12:43
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-54
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	**0.262**		0.122	0.124	1.00	0.142	pCi/L	05/15/24 09:08	06/11/24 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.8*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.555	U	0.393	0.396	1.00	0.596	pCi/L	05/15/24 09:12	06/06/24 11:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.8*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*
Y Carrier	*82.6*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.817**		0.412	0.415	5.00	0.596	pCi/L		06/13/24 11:16	1

Client Sample Results

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

Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-055
Date Collected: 05/08/24 11:21
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-55
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	0.0554	U	0.0847	0.0849	1.00	0.145	pCi/L	05/15/24 09:08	06/11/24 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:44*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.439	U	0.310	0.313	1.00	0.465	pCi/L	05/15/24 09:12	06/06/24 11:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*
Y Carrier	*83.4*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.494**		0.321	0.324	5.00	0.465	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-056
Date Collected: 05/07/24 12:53
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-56
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	0.0847	U	0.0845	0.0849	1.00	0.132	pCi/L	05/15/24 09:08	06/11/24 07:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:45*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.138	U	0.221	0.222	1.00	0.469	pCi/L	05/15/24 09:12	06/06/24 11:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*
Y Carrier	*84.9*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0847	U	0.237	0.238	5.00	0.469	pCi/L		06/13/24 11:16	1

Client Sample Results

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

Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-057
Date Collected: 05/02/24 12:39
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-57
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	0.0504	U	0.0706	0.0707	1.00	0.120	pCi/L	05/15/24 09:08	06/11/24 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*05/15/24 09:08*	*06/11/24 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	0.427	U	0.331	0.333	1.00	0.511	pCi/L	05/15/24 09:12	06/06/24 11:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.5*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*
Y Carrier	*87.5*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.477	U	0.338	0.340	5.00	0.511	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-058
Date Collected: 05/06/24 10:28
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-58
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	0.0306	U	0.0703	0.0704	1.00	0.129	pCi/L	05/15/24 09:08	06/11/24 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*05/15/24 09:08*	*06/11/24 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	0.332	U	0.311	0.313	1.00	0.497	pCi/L	05/15/24 09:12	06/06/24 11:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*
Y Carrier	*87.1*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.363	U	0.319	0.321	5.00	0.497	pCi/L		06/13/24 11:16	1

Client Sample Results

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

Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-059
Date Collected: 05/07/24 12:43
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-59
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	0.169		0.102	0.103	1.00	0.133	pCi/L	05/15/24 09:08	06/11/24 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*05/15/24 09:08*	*06/11/24 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	0.729		0.387	0.393	1.00	0.541	pCi/L	05/15/24 09:12	06/06/24 11:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*
Y Carrier	*79.6*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.897		0.400	0.406	5.00	0.541	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-060
Date Collected: 05/08/24 11:35
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-60
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0833	U	0.0894	0.0897	1.00	0.143	pCi/L	05/15/24 09:08	06/11/24 09:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*05/15/24 09:08*	*06/11/24 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	0.134	U	0.292	0.292	1.00	0.510	pCi/L	05/15/24 09:12	06/06/24 11:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.0*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*
Y Carrier	*83.7*		*30 - 110*	*05/15/24 09:12*	*06/06/24 11:41*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.218	U	0.305	0.305	5.00	0.510	pCi/L		06/13/24 11:16	1

Client Sample Results

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

Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-063
Date Collected: 05/07/24 11:10
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-61
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.171	U	0.130	0.131	1.00	0.174	pCi/L	05/15/24 09:01	06/07/24 23:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*64.9*		*30 - 110*	*05/15/24 09:01*	*06/07/24 23:09*	*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	**1.56**		0.594	0.611	1.00	0.748	pCi/L	05/15/24 09:06	06/05/24 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*64.9*		*30 - 110*	*05/15/24 09:06*	*06/05/24 12:07*	*1*
Y Carrier	*84.5*		*30 - 110*	*05/15/24 09:06*	*06/05/24 12:07*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.73**		0.608	0.625	5.00	0.748	pCi/L		06/13/24 11:17	1

Client Sample ID: 24041542-064
Date Collected: 05/07/24 12:08
Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-62
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**		0.129	0.131	1.00	0.139	pCi/L	05/15/24 09:01	06/07/24 23:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*05/15/24 09:01*	*06/07/24 23:09*	*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	**0.913**		0.405	0.413	1.00	0.534	pCi/L	05/15/24 09:06	06/05/24 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*05/15/24 09:06*	*06/05/24 12:07*	*1*
Y Carrier	*80.7*		*30 - 110*	*05/15/24 09:06*	*06/05/24 12:07*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.17**		0.425	0.433	5.00	0.534	pCi/L		06/13/24 11:17	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-661786/1-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661786

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1624		0.110	0.111	1.00	0.144	pCi/L	05/15/24 09:01	06/07/24 23:06	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*05/15/24 09:01*	*06/07/24 23:06*	*1*

Lab Sample ID: LCS 160-661786/2-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661786

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.38		1.17	1.00	0.210	pCi/L	92	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.8*		*30 - 110*

Lab Sample ID: MB 160-661789/1-A
Matrix: Water
Analysis Batch: 665661

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661789

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1841		0.115	0.116	1.00	0.158	pCi/L	05/15/24 09:08	06/11/24 07:51	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.8*		*30 - 110*	*05/15/24 09:08*	*06/11/24 07:51*	*1*

Lab Sample ID: LCS 160-661789/2-A
Matrix: Water
Analysis Batch: 665661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661789

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.594		1.05	1.00	0.125	pCi/L	85	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*94.5*		*30 - 110*

Lab Sample ID: 160-54048-45 DU
Matrix: Water
Analysis Batch: 665661

Client Sample ID: 24041542-045
Prep Type: Total/NA
Prep Batch: 661789

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0407	U		0.02005	U	0.0869	1.00	0.168	pCi/L			0.13	1

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 160-54048-45 DU
Matrix: Water
Analysis Batch: 665661

Client Sample ID: 24041542-045
Prep Type: Total/NA
Prep Batch: 661789

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	80.6		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-661787/1-A
Matrix: Water
Analysis Batch: 664836

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661787

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.01637	U	0.343	0.343	1.00	0.642	pCi/L	05/15/24 09:06	06/05/24 12:13	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110	05/15/24 09:06	06/05/24 12:13	1
Y Carrier	67.7		30 - 110	05/15/24 09:06	06/05/24 12:13	1

Lab Sample ID: LCS 160-661787/2-A
Matrix: Water
Analysis Batch: 664836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661787

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.88	9.466		1.31	1.00	0.536	pCi/L	107	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.8		30 - 110
Y Carrier	80.4		30 - 110

Lab Sample ID: MB 160-661790/1-A
Matrix: Water
Analysis Batch: 664914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661790

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3312	U	0.282	0.284	1.00	0.437	pCi/L	05/15/24 09:12	06/06/24 11:34	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110	05/15/24 09:12	06/06/24 11:34	1
Y Carrier	84.5		30 - 110	05/15/24 09:12	06/06/24 11:34	1

Lab Sample ID: LCS 160-661790/2-A
Matrix: Water
Analysis Batch: 664914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661790

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.88	8.433		1.20	1.00	0.537	pCi/L	95	75 - 125		

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-661790/2-A
Matrix: Water
Analysis Batch: 664914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661790

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	94.5		30 - 110
Y Carrier	76.3		30 - 110

Lab Sample ID: 160-54048-45 DU
Matrix: Water
Analysis Batch: 664915

Client Sample ID: 24041542-045
Prep Type: Total/NA
Prep Batch: 661790

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.276	U		0.3214	U	0.350	1.00	0.567	pCi/L			0.07	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	80.6		30 - 110
Y Carrier	80.7		30 - 110

QC Association Summary

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

Job ID: 160-54048-3
SDG: 24041542

Rad

Prep Batch: 661786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-61	24041542-063	Total/NA	Water	PrecSep-21	
160-54048-62	24041542-064	Total/NA	Water	PrecSep-21	
MB 160-661786/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661786/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 661787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-61	24041542-063	Total/NA	Water	PrecSep_0	
160-54048-62	24041542-064	Total/NA	Water	PrecSep_0	
MB 160-661787/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661787/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 661789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-41	24041542-041	Total/NA	Water	PrecSep-21	
160-54048-42	24041542-042	Total/NA	Water	PrecSep-21	
160-54048-43	24041542-043	Total/NA	Water	PrecSep-21	
160-54048-44	24041542-044	Total/NA	Water	PrecSep-21	
160-54048-45	24041542-045	Total/NA	Water	PrecSep-21	
160-54048-46	24041542-046	Total/NA	Water	PrecSep-21	
160-54048-47	24041542-047	Total/NA	Water	PrecSep-21	
160-54048-48	24041542-048	Total/NA	Water	PrecSep-21	
160-54048-49	24041542-049	Total/NA	Water	PrecSep-21	
160-54048-50	24041542-050	Total/NA	Water	PrecSep-21	
160-54048-51	24041542-051	Total/NA	Water	PrecSep-21	
160-54048-52	24041542-052	Total/NA	Water	PrecSep-21	
160-54048-53	24041542-053	Total/NA	Water	PrecSep-21	
160-54048-54	24041542-054	Total/NA	Water	PrecSep-21	
160-54048-55	24041542-055	Total/NA	Water	PrecSep-21	
160-54048-56	24041542-056	Total/NA	Water	PrecSep-21	
160-54048-57	24041542-057	Total/NA	Water	PrecSep-21	
160-54048-58	24041542-058	Total/NA	Water	PrecSep-21	
160-54048-59	24041542-059	Total/NA	Water	PrecSep-21	
160-54048-60	24041542-060	Total/NA	Water	PrecSep-21	
MB 160-661789/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661789/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54048-45 DU	24041542-045	Total/NA	Water	PrecSep-21	

Prep Batch: 661790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-41	24041542-041	Total/NA	Water	PrecSep_0	
160-54048-42	24041542-042	Total/NA	Water	PrecSep_0	
160-54048-43	24041542-043	Total/NA	Water	PrecSep_0	
160-54048-44	24041542-044	Total/NA	Water	PrecSep_0	
160-54048-45	24041542-045	Total/NA	Water	PrecSep_0	
160-54048-46	24041542-046	Total/NA	Water	PrecSep_0	
160-54048-47	24041542-047	Total/NA	Water	PrecSep_0	
160-54048-48	24041542-048	Total/NA	Water	PrecSep_0	
160-54048-49	24041542-049	Total/NA	Water	PrecSep_0	
160-54048-50	24041542-050	Total/NA	Water	PrecSep_0	
160-54048-51	24041542-051	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 661790 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-52	24041542-052	Total/NA	Water	PrecSep_0	
160-54048-53	24041542-053	Total/NA	Water	PrecSep_0	
160-54048-54	24041542-054	Total/NA	Water	PrecSep_0	
160-54048-55	24041542-055	Total/NA	Water	PrecSep_0	
160-54048-56	24041542-056	Total/NA	Water	PrecSep_0	
160-54048-57	24041542-057	Total/NA	Water	PrecSep_0	
160-54048-58	24041542-058	Total/NA	Water	PrecSep_0	
160-54048-59	24041542-059	Total/NA	Water	PrecSep_0	
160-54048-60	24041542-060	Total/NA	Water	PrecSep_0	
MB 160-661790/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661790/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54048-45 DU	24041542-045	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-54048-3
SDG: 24041542

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)							
160-54048-41	24041542-041	93.3							
160-54048-42	24041542-042	92.0							
160-54048-43	24041542-043	89.6							
160-54048-44	24041542-044	90.0							
160-54048-45	24041542-045	88.6							
160-54048-45 DU	24041542-045	80.6							
160-54048-46	24041542-046	90.3							
160-54048-47	24041542-047	89.6							
160-54048-48	24041542-048	90.3							
160-54048-49	24041542-049	82.8							
160-54048-50	24041542-050	92.0							
160-54048-51	24041542-051	83.1							
160-54048-52	24041542-052	89.6							
160-54048-53	24041542-053	82.6							
160-54048-54	24041542-054	82.8							
160-54048-55	24041542-055	95.5							
160-54048-56	24041542-056	91.0							
160-54048-57	24041542-057	91.5							
160-54048-58	24041542-058	98.0							
160-54048-59	24041542-059	89.1							
160-54048-60	24041542-060	95.0							
160-54048-61	24041542-063	64.9							
160-54048-62	24041542-064	91.8							
LCS 160-661786/2-A	Lab Control Sample	96.8							
LCS 160-661789/2-A	Lab Control Sample	94.5							
MB 160-661786/1-A	Method Blank	94.3							
MB 160-661789/1-A	Method Blank	89.8							

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)							
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)						
160-54048-41	24041542-041	93.3	81.5						
160-54048-42	24041542-042	92.0	78.9						
160-54048-43	24041542-043	89.6	83.0						
160-54048-44	24041542-044	90.0	82.6						
160-54048-45	24041542-045	88.6	80.7						
160-54048-45 DU	24041542-045	80.6	80.7						
160-54048-46	24041542-046	90.3	81.5						
160-54048-47	24041542-047	89.6	82.2						
160-54048-48	24041542-048	90.3	78.9						
160-54048-49	24041542-049	82.8	81.9						
160-54048-50	24041542-050	92.0	84.5						
160-54048-51	24041542-051	83.1	84.5						
160-54048-52	24041542-052	89.6	80.0						

Tracer/Carrier Summary

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

Job ID: 160-54048-3
SDG: 24041542

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)
160-54048-53	24041542-053	82.6	84.5
160-54048-54	24041542-054	82.8	82.6
160-54048-55	24041542-055	95.5	83.4
160-54048-56	24041542-056	91.0	84.9
160-54048-57	24041542-057	91.5	87.5
160-54048-58	24041542-058	98.0	87.1
160-54048-59	24041542-059	89.1	79.6
160-54048-60	24041542-060	95.0	83.7
160-54048-61	24041542-063	64.9	84.5
160-54048-62	24041542-064	91.8	80.7
LCS 160-661787/2-A	Lab Control Sample	96.8	80.4
LCS 160-661790/2-A	Lab Control Sample	94.5	76.3
MB 160-661787/1-A	Method Blank	94.3	67.7
MB 160-661790/1-A	Method Blank	89.8	84.5

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

			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	AP2D	Groundwater Sample	71.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
002	G1001	Groundwater Sample	68.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
003	G1003	Groundwater Sample	70.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
004	G101	Groundwater Sample	75.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
005	G102	Groundwater Sample	76.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
006	G103	Groundwater Sample	78.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
007	G105	Groundwater Sample	82.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
008	G106	Groundwater Sample	82.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
009	G107	Groundwater Sample	67.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
010	G108	Groundwater Sample	71.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
011	G109	Groundwater Sample	70.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
012	G110	Groundwater Sample	76.0	None	S	Clear	Good	Good	Good	Yes	Yes
013	G111	Groundwater Sample	76.0	None	S	Clear	Good	Good	Good	Yes	Yes
014	G119	Groundwater Sample	76.0	None	W	Clear	Good	Good	Good	Yes	Yes
015	G120	Groundwater Sample	77.0	None	NW	Clear	Good	Good	Good	Yes	Yes
016	G121	Groundwater Sample	78.0	None	NW	Clear	Good	Good	Good	Yes	Yes
017	G122	Groundwater Sample	78.0	None	NW	Clear	Good	Good	Good	Yes	Yes
018	G123	Groundwater Sample	69.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
019	G124	Groundwater Sample	78.0	None	NW	Clear	Good	Good	Good	Yes	Yes
020	G125	Groundwater Sample	72.0	None	SE	Clear	Good	Good	Good	Yes	Yes
021	G126	Groundwater Sample	68.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
022	G151	Groundwater Sample	65.0	None	SE	Clear	Good	Good	Good	Yes	Yes
023	G152	Groundwater Sample	71.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
024	G153	Groundwater Sample	73.0	None	S	Clear	Good	Good	Good	Yes	Yes
025	G154	Groundwater Sample	72.0	None	SE	Clear	Good	Good	Good	Yes	Yes
026	G155	Groundwater Sample	67.0	None	SE	Clear	Good	Good	Good	Yes	Yes
027	G200	Groundwater Sample	74.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
028	G206	Groundwater Sample	70.0	None	NW	Clear	Good	Good	Good	Yes	Yes
029	G206D	Groundwater Sample	64.0	None	NW	Clear	Good	Good	Good	Yes	Yes
030	G207	Groundwater Sample	73.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
031	G208	Groundwater Sample	71.0	None	NW	Clear	Good	Good	Good	Yes	Yes
032	G209	Groundwater Sample	74.0	None	NE	Clear	Good	Good	Good	Yes	Yes
033	G210	Groundwater Sample	72.0	None	E	Clear	Good	Good	Good	Yes	Yes
034	G211	Groundwater Sample	71.0	None	E	Clear	Good	Good	Good	Yes	Yes
035	G212	Groundwater Sample	70.0	None	E	Clear	Good	Good	Good	Yes	Yes

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

			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	G213	Groundwater Sample	70.0	None	E	Clear	Good	Good	Good	Yes	Yes
037	G214	Groundwater Sample	76.0	None	NW	Clear	Good	Good	Good	Yes	Yes
038	G215	Groundwater Sample	74.0	None	NW	Clear	Good	Good	Good	Yes	Yes
039	G216	Groundwater Sample	72.0	None	NW	Clear	Good	Good	Good	Yes	Yes
040	G217	Groundwater Sample	81.0	None	N	Clear	Good	Good	Good	Yes	Yes
041	G218	Groundwater Sample	78.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
042	G270	Groundwater Sample	70.0	None	N	Clear	Good	Good	Good	Yes	Yes
043	G271	Groundwater Sample	78.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
044	G272	Groundwater Sample	77.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
045	G273	Groundwater Sample	76.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
046	G274	Groundwater Sample	79.0	None	NW	Partly cloudy	Good	Good	Good	Yes	Yes
047	G275	Groundwater Sample	73.0	None	N	Clear	Good	Good	Good	Yes	Yes
048	G275D	Groundwater Sample	71.0	None	N	Clear	Good	Good	Good	Yes	Yes
049	G276	Groundwater Sample	70.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
050	G277	Groundwater Sample	68.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
051	G278	Groundwater Sample	72.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
052	G279	Groundwater Sample	67.0	None	NE	Cloudy	Good	Good	Good	Yes	Yes
053	G280	Groundwater Sample	70.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
054	G281	Groundwater Sample	69.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
055	G283	Groundwater Sample	63.0	Light	W	Cloudy	Good	Good	Good	Yes	Yes
056	G284	Groundwater Sample	65.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
057	G285	Groundwater Sample	67.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
058	G301	Groundwater Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
059	G302	Groundwater Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
060	G303	Groundwater Sample	77.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
061	G305	Groundwater Sample	76.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
062	G306	Groundwater Sample	75.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
063	G307	Groundwater Sample	77.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
064	G307D	Groundwater Sample	75.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
065	G308	Groundwater Sample	77.0	None	N	Clear	Good	Good	Good	Yes	Yes
066	G310	Groundwater Sample	73.0	None	N	Clear	Good	Good	Good	Yes	Yes
067	G312	Groundwater Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
068	G313	Groundwater Sample	75.0	None	NE	Clear	Good	Good	Good	Yes	Yes
069	G314	Groundwater Sample	74.0	None	NW	Clear	Good	Good	Good	Yes	Yes
070	G314D	Groundwater Sample	74.0	None	NW	Clear	Good	Good	Good	Yes	Yes

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

			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	70.0	None	NE	Clear	Good	Good	Good	Yes	Yes
072	G316	Groundwater Sample	73.0	None	NW	Clear	Good	Good	Good	Yes	Yes
073	G401	Groundwater Sample	83.0	None	NE	Clear	Good	Good	Good	Yes	Yes
074	G402	Groundwater Sample	65.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
075	G403	Groundwater Sample	63.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
076	G404	Groundwater Sample	68.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
077	G405	Groundwater Sample	69.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
078	G406	Groundwater Sample	63.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
079	G407	Groundwater Sample	55.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
080	G410	Groundwater Sample	70.0	None	NW	Clear	Good	Good	Good	Yes	Yes
081	G411	Groundwater Sample	55.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
082	L202	Leachate Sample	77.0	None	NW	Cloudy					
083	NE Riser	DTW Only	55.0	None	E	Cloudy					
084	R104	Groundwater Sample	81.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
085	R201	Groundwater Sample	74.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
086	R205	Groundwater Sample	76.0	None	NW	Partly cloudy	Good	Good	Good	Yes	Yes
087	SG-02	DTW Only	55.0	None	E	Cloudy					
088	SG-03	DTW Only	55.0	None	E	Cloudy					
089	T127	Groundwater Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
090	T128	Groundwater Sample	74.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
091	X201	Groundwater Sample	76.0	None	SW	Partly cloudy				Yes	
092	XPW01	Groundwater Sample	78.0	None	SW	Partly cloudy	Good	Good	Good	Yes	No
093	XPW02	Groundwater Sample	75.0	None	NE	Cloudy	Good	Good	Good	Yes	Yes
094	XSG-01	DTW Only	55.0	None	E	Cloudy					
095	Field Blank	QA/QC Sample	71.0	None	SE	Partly cloudy					
096	G102 Duplicate	QA/QC Sample	76.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
097	G200 Duplicate	QA/QC Sample	74.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
098	G217 Duplicate	QA/QC Sample	81.0	None	N	Clear	Good	Good	Good	Yes	Yes
099	G301 Duplicate	QA/QC Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
100	R201 Duplicate	QA/QC Sample	74.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
101	Equipment Blank 1	QA/QC Sample	71.0	None	SE	Partly cloudy					
102	Equipment Blank 2	QA/QC Sample									
103	Equipment Blank 3	QA/QC Sample									
104	G219	Groundwater Sample	70.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
105	G220	Groundwater Sample	73.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

		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/Sampling Device	Well Diameter (in)	Purge Rate (mL/min)
001	AP2D	JC	5/8/24 9:18	20.50	35.43	JC	5/8/2024	09:25	09:52	Submersible Pump	4"	370.4
002	G1001	TAC	5/7/24 9:38	5.73	13.79	TAC	5/7/2024	09:42	10:16	Peristaltic Pump	2"	147.1
003	G1003	BG	5/6/24 13:18	11.16	11.16							
004	G101	JC	5/2/24 9:59	3.90	24.30	JC	5/2/2024	09:59	10:22	Bladder Pump	2"	282.6
005	G102	JC	5/2/24 10:41	4.33	20.00	JC	5/2/2024	10:41	11:03	Bladder Pump	2"	272.7
006	G103	JC	5/2/24 11:47	8.89	26.90	JC	5/2/2024	11:47	12:26	Bladder Pump	2"	230.8
007	G105	JC	5/2/24 13:17	8.23	27.70	JC	5/2/2024	13:18	13:30	Bladder Pump	2"	250.0
008	G106	JC	5/2/24 13:58	9.13	25.60	JC	5/2/2024	13:58	14:15	Bladder Pump	2"	235.3
009	G107	JC	5/3/24 9:03	8.61	22.70	JC	5/3/2024	09:05	09:20	Bladder Pump	2"	266.7
010	G108	JC	5/1/24 10:00	8.74	26.60	JC	5/1/2024	10:10	10:36	Bladder Pump	2"	230.8
011	G109	JC	5/1/24 9:33	8.44	26.30	JC	5/1/2024	09:33	09:53	Bladder Pump	2"	250.0
012	G110	JC	4/30/24 14:36	9.30	27.50	JC	4/30/2024	14:36	14:48	Bladder Pump	2"	250.0
013	G111	JC	4/30/24 13:57	9.23	24.30	JC	4/30/2024	13:57	14:11	Bladder Pump	2"	250.0
014	G119	JC	5/1/24 11:38	14.96	27.40	JC	5/1/2024	11:46	12:22	Bladder Pump	2"	250.0
015	G120	JC	5/1/24 12:32	13.99	26.70	JC	5/1/2024	12:35	12:51	Bladder Pump	2"	312.5
016	G121	JC	5/1/24 12:58	13.92	29.10	JC	5/1/2024	13:06	13:21	Bladder Pump	2"	233.3
017	G122	JC	5/1/24 13:25	12.49	26.50	JC	5/1/2024	13:37	13:59	Bladder Pump	2"	227.3
018	G123	BG	5/7/24 9:30	10.84	30.90	BG	5/7/2024	09:30	10:01	Peristaltic Pump	2"	161.3
019	G124	JC	5/1/24 14:15	11.38	26.70	JC	5/1/2024	14:16	14:51	Bladder Pump	2"	200.0
020	G125	JC	5/2/24 9:19	11.12	26.70	JC	5/2/2024	09:20	09:41	Bladder Pump	2"	285.7
021	G126	JC	5/3/24 9:28	8.51	20.40	JC	5/3/2024	09:33	09:53	Bladder Pump	2"	200.0
022	G151	JC	4/30/24 9:51	10.05	23.60	JC	4/30/2024	09:52	10:11	Bladder Pump	2"	210.5
023	G152	BG	5/7/24 10:28	9.34	22.00	BG	5/7/2024	10:28	11:15	Peristaltic Pump	2"	106.4
024	G153	JC	4/30/24 12:19	10.54	23.90	JC	4/30/2024	12:19	12:38	Bladder Pump	2"	210.5
025	G154	JC	4/30/24 11:43	6.54	22.80	JC	4/30/2024	11:43	12:01	Bladder Pump	2"	250.0
026	G155	JC	4/30/24 10:35	9.25	26.20	JC	4/30/2024	10:35	11:21	Bladder Pump	2"	217.4
027	G200	JC	5/7/24 12:23	2.90	20.70	JC	5/7/2024	12:24	12:53	Submersible Pump	2"	275.9
028	G206	BG	4/30/24 10:35	9.69	26.30	BG	4/30/2024	10:35	10:57	Bladder Pump	2"	272.7
029	G206D	BG		29.57		BG	4/30/2024	09:46	10:28	Bladder Pump	2"	214.3
030	G207	BG	5/7/24 11:32	10.25	26.60	BG	5/7/2024	11:32	11:46	Peristaltic Pump	2"	214.3
031	G208	bg	4/30/24 11:12	10.36	26.60	BG	4/30/2024	11:12	11:27	Bladder Pump	2"	113.3
032	G209	BG	5/1/24 11:40	9.64	25.50	BG	5/1/2024	11:40	12:16	Bladder Pump	2"	83.3
033	G210	bg	5/1/24 10:53	9.90	25.00	BG	5/1/2024	10:53	11:27	Bladder Pump	2"	294.1
034	G211	BG	5/1/24 10:02	9.85	26.30	BG	5/1/2024	10:02	10:40	Bladder Pump	2"	171.1
035	G212	BG	5/1/24 9:39	10.30		BG	5/1/2024	09:39	09:52	Bladder Pump	2"	115.4

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

		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/Sampling Device	Well Diameter (in)	Purge Rate (mL/min)
036	G213	BG	5/6/24 1359	10.98	26.50	BG	5/6/2024	13:56	14:28	Bladder Pump	2"	140.6
037	G214	BG	4/30/24 13:51	13.98	26.50	BG	4/30/2024	13:51	14:17	Bladder Pump	2"	384.6
038	G215	BG	4/30/24 12:35	13.89	26.90	BG	4/30/2024	12:35	13:19	Bladder Pump	2"	227.3
039	G216	BG	4/30/24 11:42	13.22	28.50	BG	4/30/2024	11:42	12:20	Bladder Pump	2"	223.7
040	G217	BG	5/2/24 12:06	13.75	28.40	BG	5/2/2024	12:06	12:39	Bladder Pump	2"	272.7
041	G218	BG	5/2/24 11:00	12.93	28.50	BG	5/2/2024	11:00	11:47	Bladder Pump	2"	191.5
042	G270	BG	5/8/24 9:26	1.94	20.40	BG	5/8/2024	09:26	09:40	Peristaltic Pump	2"	178.6
043	G271	BG	5/1/24 13:22	8.40	18.70	BG	5/1/2024	13:22	13:37	Bladder Pump	2"	200.0
044	G272	BG	5/1/24 12:44	8.80	17.40	BG	5/1/2024	12:44	13:10	Bladder Pump	2"	173.1
045	G273	BG	5/1/24 12:13	8.65	18.90	BG	5/1/2024	12:13	12:30	Bladder Pump	2"	352.9
046	G274	BG	5/1/24 13:55	12.38	20.40	BG	5/1/2024	13:55	14:21	Bladder Pump	2"	192.3
047	G275	BG	5/2/24 10:18	12.64	15.30	BG	5/2/2024	10:18	10:33	Bladder Pump	2"	133.3
048	G275D	BG	5/2/24 9:23	46.64	62.70	BG	5/2/2024	09:23	09:58	Bladder Pump	2"	85.7
049	G276	TAC	5/7/24 10:53	26.70	30.90	TAC	5/7/2024	11:12	11:45	Peristaltic Pump	2"	151.5
050	G277	JC	5/7/24 9:18	19.56	22.30	JC	5/7/2024	09:18	09:40	Bladder Pump	2"	181.8
051	G278	TAC	5/7/24 12:43	23.97	26.40	TAC	5/7/2024	12:44	13:31	Peristaltic Pump	2"	148.9
052	G279	BG	5/3/24 9:16	21.98	30.80	BG	5/3/2024	09:16	09:40	Bladder Pump	2"	83.3
053	G280	JC	5/6/24 13:35	3.86	20.20	JC	5/6/2024	13:37	14:07	Bladder Pump	2"	200.0
054	G281	JC	5/3/24 10:06	4.24	22.80	JC	5/3/2024	10:06	10:27	Bladder Pump	2"	238.1
055	G283	BG	5/6/24 10:19	4.18	20.80	BG	5/6/2024	10:19	10:59	Bladder Pump	2"	137.5
056	G284	BG	5/6/24 11:14	10.00	16.30	BG	5/6/2024	11:14	11:36	Bladder Pump	2"	181.8
057	G285	BG	5/6/24 11:52	4.80	26.80	BG	5/6/2024	11:52	12:22	Bladder Pump	2"	166.7
058	G301	TAC	5/6/24 9:55	6.18	18.60	TAC	5/6/2024	09:59	10:28	Bladder Pump	2"	206.9
059	G302	TAC	5/6/24 11:21	5.52	20.50	TAC	5/6/2024	11:21	11:54	Bladder Pump	2"	265.2
060	G303	TAC	5/1/24 10:17	3.69	23.30	TAC	5/1/2024	10:17	10:49	Bladder Pump	2"	140.6
061	G305	TAC	5//1 14:13	6.04	21.50	TAC	5/1/2024	14:14	14:41	Bladder Pump	2"	259.3
062	G306	TAC	5/1/24 12:59	5.42	20.90	TAC	5/1/2024	13:00	13:47	Bladder Pump	2"	255.3
063	G307	TAC	5/2/24 12:28	0.00	20.60	TAC	5/2/2024	13:30	14:32	Peristaltic Pump	2"	161.3
064	G307D	TAC	5/2/24 11:09	2.83	62.00	TAC	5/2/2024	11:10	11:35	Bladder Pump	2"	260.0
065	G308	TAC	5/2/24 12:26	4.12	18.20	TAC	5/2/2024	12:27	12:53	Bladder Pump	2"	192.3
066	G310	TAC	5/2/24 9:24	7.23	18.40	TAC	5/3/2024	09:25	09:55	Bladder Pump	2"	233.3
067	G312	TAC	5/6/24 12:37	10.18	17.80	TAC	5/6/2024	12:38	13:29	Bladder Pump	2"	215.7
068	G313	TAC	5/1/24 11:47	3.01	14.30	TAC	5/1/2024	11:48	12:13	Bladder Pump	2"	360.0
069	G314	TAC	4/30/24 13:35	5.48	22.80	TAC	4/30/2024	13:36	14:13	Bladder Pump	2"	162.2
070	G314D	TAC	4/30/24 12:24	5.82	52.30	TAC	4/30/2024	12:25	13:07	Bladder Pump	2"	166.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

		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/Sampling Device**	**Well Diameter (in)**	**Purge Rate (mL/min)**
071	G315	TAC	5/2/24 10:03	2.34	17.40	TAC	5/2/2024	10:04	10:31	Bladder Pump	2"	166.7
072	G316	TAC	4/30/24 11:21	10.95	18.10	TAC	4/30/2024	11:22	11:56	Bladder Pump	2"	264.7
073	G401	BG	5/2/24 13:44	20.94	21.80	BG	5/2/2024	13:44	14:06	Bladder Pump	2"	136.4
074	G402	JC	5/6/24 11:27	8.74	23.40	JC	5/6/2024	11:27	12:00	Bladder Pump	2"	212.1
075	G403	JC	5/6/24 10:13	6.26	20.80	JC	5/6/2024	10:15	10:28	Bladder Pump	2"	230.8
076	G404	JC	5/6/24 12:32	3.80	14.10	JC	5/6/2024	12:32	12:44	Bladder Pump	2"	250.0
077	G405	JC	5/6/24 12:59	6.05	16.40	JC	5/6/2024	13:00	13:13	Bladder Pump	2"	230.8
078	G406	JC	5/6/24 10:48	10.24	22.30	JC	5/6/2024	10:48	11:05	Bladder Pump	2"	235.3
079	G407	TAC	4/29/24 14:09	4.27	23.00	TAC	4/29/2024	14:10	14:52	Bladder Pump	2"	190.5
080	G410	TAC	4/30/24 10:05	6.21	16.70	TAC	4/30/2024	10:06	10:36	Bladder Pump	2"	400.0
081	G411	TAC	4/29/24 12:40	4.33	19.20	TAC	4/29/2024	12:41	13:11	Bladder Pump	2"	250.0
082	L202	-	-	-	-	BG	5/8/2024	11:11	11:11	Direct Grab		-
083	NE Riser	BG	4/29/24 13:04	1.05	-							
084	R104	JC	5/2/24 12:42	6.85	22.70	JC	5/2/2024	12:42	13:00	Bladder Pump	2"	222.2
085	R201	BG	5/7/24 12:13	2.59	22.20	BG	5/7/2024	12:13	12:43	Peristaltic Pump	2"	100.0
086	R205	BG	5/7/24 13:20	4.29	19.00	BG	5/7/2024	13:20	13:46	Peristaltic Pump	2"	115.4
087	SG-02	JC	4/29/24 15:29	6.68								
088	SG-03	JC	4/29/24 10:27	7.94								
089	T127	TAC	5/6/24 14:09	13.81	21.28	TAC	5/6/2024	14:31	15:06	Peristaltic Pump	2"	228.6
090	T128	JC	5/1/24 10:59	13.83	28.70	JC	5/1/2024	10:59	11:31	Bladder Pump	2"	218.8
091	X201	-	-	-		JC	5/7/2024	13:25	13:25	Direct Grab		
092	XPW01	JC	5/7/24 13:35	4.63	16.10	JC	5/7/2024	13:38	13:55	Bladder Pump	2"	235.3
093	XPW02	BG	5/8/24 10:24	9.87	21.30	BG	5/8/2024	10:24	10:49	Bladder Pump	2"	180.0
094	XSG-01	JC	4/29/24 11:10	7.94								
095	Field Blank											
096	G102 Duplicate	JC	5/2/24 10:41	4.33	20.00	JC	5/2/2024	10:41	11:03	Bladder Pump	2"	272.7
097	G200 Duplicate	JC	5/7/24 12:23	2.90	20.70	JC	5/7/2024	12:24	12:53	Submersible Pump	2"	275.9
098	G217 Duplicate	BG	5/2/24 12:06	13.75	28.40	BG	5/2/2024	12:06	12:39	Bladder Pump	2"	272.7
099	G301 Duplicate	TAC	5/6/24 9:55	6.18	18.60	TAC	5/6/2024	09:59	10:28	Bladder Pump	2"	206.9
100	R201 Duplicate	BG	5/7/24 12:13	2.59	22.20	BG	5/7/2024	12:13	12:43	Peristaltic Pump	2"	100.0
101	Equipment Blank 1											
102	Equipment Blank 2											
103	Equipment Blank 3											
104	G219	JC	5/7/24 10:40	6.45	18.52	JC	5/7/2024	10:43	11:10	Submersible Pump	2"	333.3
105	G220	JC	5/7/24 11:35	12.10	27.91	JC	5/7/2024	11:37	12:08	Submersible Pump	2"	387.1

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

		Sampling Activities and Observations										
WO Sample	Well ID	Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	AP2D	JC	05/08/24	09:52	Low Flow	218083	No	Clear	Moderate	lt rust	20.50	0
002	G1001	TAC	05/07/24	10:16	Low Flow	45986	No	Clear	None	None	8.11	2.38
003	G1003											
004	G101	JC	05/02/24	10:22	Low Flow	218083	Yes	Slightly cloudy	None	none	3.90	0
005	G102	JC	05/02/24	11:03	Low Flow	218083	Yes	Clear	None	none	4.33	0
006	G103	JC	05/02/24	12:26	Low Flow	218083	Yes	Clear	None	none	10.65	1.76
007	G105	JC	05/02/24	13:30	Low Flow	218083	Yes	Clear	None	none	8.23	0
008	G106	JC	05/02/24	14:15	Low Flow	218083	Yes	Clear	None	none	10.10	0.97
009	G107	JC	05/03/24	09:20	Low Flow	218083	Yes	Clear	None	none	9.33	0.72
010	G108	JC	05/01/24	10:36	Low Flow	218083	Yes	Clear	None	none	8.74	0
011	G109	JC	05/01/24	09:53	Low Flow	218083	Yes	Clear	None	none	8.44	0
012	G110	JC	04/30/24	14:48	Low Flow	218083	Yes	Clear	None	none	9.30	0
013	G111	JC	04/30/24	14:11	Low Flow	218083	Yes	Clear	None	none	9.23	0
014	G119	JC	05/01/24	12:22	Low Flow	218083	Yes	Clear	None	none	14.96	0
015	G120	JC	05/01/24	12:51	Low Flow	218083	Yes	Clear	None	none	16.41	2.42
016	G121	JC	05/01/24	13:21	Low Flow	218083	Yes	Clear	None	none	16.30	2.38
017	G122	JC	05/01/24	13:59	Low Flow	218083	Yes	Clear	None	none	13.75	1.26
018	G123	BG	05/07/24	10:01	Low Flow	26559	Yes	Clear	None	LT BROWN	12.15	1.31
019	G124	JC	05/01/24	14:51	Low Flow	218083	Yes	Clear	None	none	12.44	1.06
020	G125	JC	05/02/24	09:41	Low Flow	218083	Yes	Clear	None	none	11.12	0
021	G126	JC	05/03/24	09:53	Low Flow	218083	Yes	Clear	None	none	8.51	0
022	G151	JC	04/30/24	10:11	Low Flow	218083	Yes	Clear	None	none	10.05	0
023	G152	BG	05/07/24	11:15	Low Flow	26559	Yes	Clear	None	CLEAR	13.03	3.69
024	G153	JC	04/30/24	12:38	Low Flow	218083	Yes	Clear	None	none	13.09	2.55
025	G154	JC	04/30/24	12:01	Low Flow	218083	Yes	Clear	None	none	6.54	0
026	G155	JC	04/30/24	11:21	Low Flow	218083	Yes	Clear	None	none	9.25	0
027	G200	JC	05/07/24	12:53	Low Flow	218083	Yes	Slightly cloudy	Slight	none	2.98	0.08
028	G206	BG	04/30/24	10:57	Low Flow	26559	Yes	Clear	None	Lt Yellow	17.76	8.07
029	G206D	BG	04/30/24	10:28	Low Flow	26559	No	Clear	None	CLEAR	34.67	5.1
030	G207	BG	05/07/24	11:46	Low Flow	26559	Yes	Clear	None	CLEAR	10.76	0.51
031	G208	BG	04/30/24	11:27	Low Flow	26559	Yes	Clear	None	CLEAR	10.36	0
032	G209	BG	05/01/24	12:16	Low Flow	26559	Yes	Clear	Slight	Clear	10.73	1.09
033	G210	BG	05/01/24	11:27	Low Flow	26559	Yes	Clear	None	Clear	10.89	
034	G211	BG	05/01/24	10:40	Low Flow	26559	Yes	Clear	None	CLEAR	11.16	1.31
035	G212	BG	05/01/24	09:52	Low Flow	26559	Yes	Clear	None	CLEAR	10.98	0.68

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
036	G213	BG	05/06/24	14:28	Low Flow	26559	Yes	Clear	Slight	Lt Yellow	11.04	0.06
037	G214	BG	04/30/24	14:17	Low Flow	26559	Yes	Clear	None	CLRAR	14.94	0.96
038	G215	BG	04/30/24	13:19	Low Flow	26559	Yes	Clear	None	CLEAR	16.67	2.78
039	G216	BG	04/30/24	12:20	Low Flow	26559	Yes	Slightly cloudy	Slight	Lt Orange	16.13	2.91
040	G217	BG	05/02/24	12:39	Low Flow	26559	Yes	Clear	None	CLEAR	14.01	0.26
041	G218	BG	05/02/24	11:47	Low Flow	26559	Yes	Clear	None	CLEAR	13.15	0.22
042	G270	BG	05/08/24	09:40	Low Flow	26559	Yes	Clear	Slight	CLEAR	1.92	-0.02
043	G271	BG	05/01/24	13:37	Low Flow	26559	Yes	Clear	None	CLEAR	8.98	0.58
044	G272	BG	05/01/24	13:10	Low Flow	26559	Yes	Slightly cloudy	None	LT BROWN	8.92	0.12
045	G273	BG	05/01/24	12:30	Low Flow	26559	Yes	Clear	None	CLEAR	9.05	0.4
046	G274	BG	05/01/24	14:21	Low Flow	26559	Yes	Clear	None	CLEAR	13.03	0.65
047	G275	BG	05/02/24	10:33	Low Flow	26559	Yes	Clear	None	CLEAR	T.O.P	N/A
048	G275D	BG	05/02/24	09:58	Low Flow	26559	Yes	Clear	None	LT BROWN	47.47	0.83
049	G276	TAC	05/07/24	11:45	Low Flow	45986	Yes	Clear	None	None	28.15	1.45
050	G277	JC	05/07/24	09:40	Low Flow	218083	Yes	Clear	None	none	19.86	0.3
051	G278	TAC	05/07/24	13:31	Low Flow	45986	Yes	Clear	None	None	24.86	0.89
052	G279	BG	05/03/24	09:40	Low Flow	26559	Yes	Clear	None	CLEAR	22.01	0.03
053	G280	JC	05/06/24	14:07	Low Flow	218083	Yes	Clear	None	none	3.86	0
054	G281	JC	05/03/24	10:27	Low Flow	218083	Yes	Cloudy	None	none	4.24	0
055	G283	BG	05/06/24	10:59	Low Flow	26559	No	Clear	None	cLEAR	4.98	0.8
056	G284	BG	05/06/24	11:36	Low Flow	26559	No	Clear	None	CLEAR	11.04	1.04
057	G285	BG	05/06/24	12:22	Low Flow	26559	No	Clear	None	CLEAR	5.21	0.41
058	G301	TAC	05/06/24	10:28	Low Flow	45986	No	Clear	None	None	7.39	1.21
059	G302	TAC	05/06/24	11:54	Low Flow	45986	No	Clear	None	None	6.42	0.9
060	G303	TAC	05/01/24	10:49	Low Flow	45986	No	Clear	None	None	4.98	1.29
061	G305	TAC	05/01/24	14:41	Low Flow	45986	No	Clear	None	None	6.15	0.11
062	G306	TAC	05/01/24	13:47	Low Flow	45986	No	Clear	None	None	9.58	4.16
063	G307	TAC	05/02/24	14:32	Low Flow	45986	No	Clear	None	None	0.00	0
064	G307D	TAC	05/02/24	11:35	Low Flow	45986	No	Clear	None	None	11.63	8.8
065	G308	TAC	05/02/24	12:53	Low Flow	45986	No	Clear	None	None	4.76	0.64
066	G310	TAC	05/03/24	09:55	Low Flow	45986	No	Clear	None	None	7.52	0.29
067	G312	TAC	05/06/24	13:29	Low Flow	45986	No	Clear	None	None	11.29	1.11
068	G313	TAC	05/01/24	12:13	Low Flow	45986	No	Clear	None	None	3.80	0.79
069	G314	TAC	04/30/24	14:13	Low Flow	45986	No	Clear	None	None	13.89	8.41
070	G314D	TAC	04/30/24	13:07	Low Flow	45986	No	Clear	None	None	17.15	11.33

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
071	G315	TAC	05/02/24	10:31	Low Flow	45986	No	Clear	None	None	2.75	0.41
072	G316	TAC	04/30/24	11:56	Low Flow	45986	No	Clear	None	None	11.90	0.95
073	G401	BG	05/02/24	14:06	Low Flow	26559	Yes	Clear	None	Clear	20.00	-0.94
074	G402	JC	05/06/24	12:00	Low Flow	218083	Yes	Slightly cloudy	None	none	8.74	0
075	G403	JC	05/06/24	10:28	Low Flow	218083	Yes	Clear	None	none	6.26	0
076	G404	JC	05/06/24	12:44	Low Flow	218083	Yes	Clear	None	none	3.80	0
077	G405	JC	05/06/24	13:13	Low Flow	218083	Yes	Clear	None	none	6.05	0
078	G406	JC	05/06/24	11:05	Low Flow	218083	Yes	Clear	None	none	10.24	0
079	G407	TAC	04/29/24	14:52	Low Flow	45986	Yes	Clear	None	None	10.59	6.32
080	G410	TAC	04/30/24	10:36	Low Flow	45986	Yes	Clear	None	None	8.13	1.92
081	G411	TAC	04/29/24	13:11	Low Flow	45986	Yes	Clear	None	None	4.81	0.48
082	L202	BG	05/08/24	11:11	No Purge	26559	No	Clear	Slight	none	-	N/A
083	NE Riser											
084	R104	JC	05/02/24	13:00	Low Flow	218083	Yes	Clear	None	none	8.94	2.09
085	R201	BG	05/07/24	12:43	Low Flow	26559	Yes	Clear	Slight	CLEAR	3.12	0.53
086	R205	BG	05/07/24	13:46	Low Flow	26559	Yes	Clear	None	CLEAR	4.97	0.68
087	SG-02											
088	SG-03											
089	T127	TAC	05/06/24	15:06	Low Flow	45986	Yes	Clear	None	None	14.19	0.38
090	T128	JC	05/01/24	11:31	Low Flow	218083	Yes	Clear	None	none	13.83	0
091	X201	JC	05/07/24	13:25	No Purge	218083	No	Clear	None	none	-	N/A
092	XPW01	JC	05/07/24	13:55	Low Flow	218083	No	Clear	None	none	4.63	0
093	XPW02	BG	05/08/24	10:49	Low Flow	26559	Yes	Clear	None	CLREAR	10.87	1
094	XSG-01											
095	Field Blank	JC	05/08/24	11:21								
096	G102 Duplicate	JC	05/02/24	11:03	Low Flow	218083	Yes	Clear	None	none	4.33	0
097	G200 Duplicate	JC	05/07/24	12:53	Low Flow	218083	Yes	Slightly cloudy	Slight	none	2.98	0.08
098	G217 Duplicate	BG	05/02/24	12:39	Low Flow	26559	Yes	Clear	None	CLEAR	14.01	0.26
099	G301 Duplicate	TAC	05/06/24	10:28	Low Flow	45986	No	Clear	None	None	7.39	1.21
100	R201 Duplicate	BG	05/07/24	12:43	Low Flow	26559	Yes	Clear	Slight	CLEAR	3.12	0.53
101	Equipment Blank 1	JC	05/08/24	11:35								
102	Equipment Blank 2											
103	Equipment Blank 3											
104	G219	JC	05/07/24	11:10	Low Flow	218083	No	Clear	None	none	8.55	2.1
105	G220	JC	05/07/24	12:08	Low Flow	218083	No	Clear	None	none	12.34	0.24

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

WO Sample	Well ID	COMMENTS
001	AP2D	
002	G1001	
003	G1003	DRY- no sample
004	G101	
005	G102	
006	G103	
007	G105	
008	G106	
009	G107	
010	G108	
011	G109	
012	G110	
013	G111	
014	G119	
015	G120	
016	G121	
017	G122	
018	G123	
019	G124	
020	G125	
021	G126	
022	G151	
023	G152	
024	G153	
025	G154	
026	G155	
027	G200	
028	G206	
029	G206D	
030	G207	
031	G208	
032	G209	
033	G210	
034	G211	
035	G212	

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

WO Sample	Well ID	COMMENTS
036	G213	
037	G214	
038	G215	
039	G216	
040	G217	
041	G218	
042	G270	
043	G271	
044	G272	
045	G273	
046	G274	
047	G275	13.28 post-sample DTW is top of pump
048	G275D	
049	G276	
050	G277	
051	G278	
052	G279	
053	G280	
054	G281	
055	G283	
056	G284	
057	G285	
058	G301	
059	G302	
060	G303	
061	G305	
062	G306	
063	G307	Sampled under artesian conditions (mechanical packer well)
064	G307D	
065	G308	
066	G310	
067	G312	
068	G313	
069	G314	
070	G314D	

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

WO Sample	Well ID	COMMENTS
071	G315	
072	G316	
073	G401	
074	G402	
075	G403	
076	G404	
077	G405	
078	G406	
079	G407	
080	G410	
081	G411	
082	L202	L203 inoperable; alternative location L202 sampled; direct from line
083	NE Riser	
084	R104	
085	R201	
086	R205	
087	SG-02	
088	SG-03	
089	T127	Pulled pump. Check ball keeps getting stuck during pumping
090	T128	
091	X201	Sampled directly from leachate line.
092	XPW01	
093	XPW02	
094	XSG-01	
095	Field Blank	
096	G102 Duplicate	
097	G200 Duplicate	
098	G217 Duplicate	
099	G301 Duplicate	
100	R201 Duplicate	
101	Equipment Blank 1	
102	Equipment Blank 2	Not used; not collected
103	Equipment Blank 3	Not used; not collected
104	G219	
105	G220	

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary
Coffeen- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
AP2D	5/8/2024	9:52	15.5	59.9	8.01	1,803.0	0.12	37.82	-200.3	20.50	24041541-001A
G1001	5/7/2024	10:16	17.7	63.9	6.82	1,048.1	2.79	2.87	3.4	5.73	24041541-002A
G1003	5/6/2024	13:18	Dry- No Sample							11.16	24041541-003A
G101	5/2/2024	10:22	13.8	56.8	7.37	781.9	0.34	51.61	54.1	3.90	24041541-004A
G102	5/2/2024	11:03	14.1	57.4	7.29	558.1	2.89	11.75	78.8	4.33	24041541-005A
G103	5/2/2024	12:26	15.8	60.4	7.05	901.7	0.96	4.20	93.6	8.89	24041541-006A
G105	5/2/2024	13:30	15.4	59.7	7.20	830.6	0.25	3.86	-111.6	8.23	24041541-007A
G106	5/2/2024	14:15	15.4	59.7	7.10	957.2	1.89	4.71	68.4	9.13	24041541-008A
G107	5/3/2024	9:20	15.6	60.0	7.33	763.7	5.02	10.26	80.3	8.61	24041541-009A
G108	5/1/2024	10:36	14.6	58.3	7.19	755.5	1.59	2.10	88.4	8.74	24041541-010A
G109	5/1/2024	9:53	13.9	57.0	7.01	960.2	0.18	28.90	92.9	8.44	24041541-011A
G110	4/30/2024	14:48	14.9	58.8	6.87	872.5	0.53	9.64	80.5	9.30	24041541-012A
G111	4/30/2024	14:11	15.0	58.9	7.15	903.8	1.89	3.31	62.7	9.23	24041541-013A
G119	5/1/2024	12:22	15.1	59.1	7.23	712.8	0.79	3.64	91.7	14.96	24041541-014A
G120	5/1/2024	12:51	16.3	61.4	7.34	775.2	6.83	8.37	111.2	13.99	24041541-015A
G121	5/1/2024	13:21	15.2	59.3	7.13	965.7	5.45	6.66	118.0	13.92	24041541-016A
G122	5/1/2024	13:59	16.8	62.2	6.89	1,179.4	2.98	13.52	107.9	12.49	24041541-017A
G123	5/7/2024	10:01	15.4	59.7	7.06	946.0	1.55	68.00	69.2	10.84	24041541-018A
G124	5/1/2024	14:51	14.8	58.6	7.20	875.1	2.83	20.76	109.7	11.38	24041541-019A
G125	5/2/2024	9:41	14.0	57.1	7.19	918.2	0.68	22.75	39.5	11.12	24041541-020A
G126	5/3/2024	9:53	14.1	57.4	7.16	805.8	1.35	4.48	80.8	8.51	24041541-021A
G151	4/30/2024	10:11	16.7	62.1	7.33	896.6	3.73	25.19	124.1	10.05	24041541-022A
G152	5/7/2024	11:15	16.6	61.8	7.21	781.9	3.20	8.38	36.5	9.34	24041541-023A
G153	4/30/2024	12:38	15.1	59.1	6.75	3,946.3	0.33	10.76	-59.3	10.54	24041541-024A
G154	4/30/2024	12:01	14.9	58.8	7.39	655.4	2.02	31.93	113.3	6.54	24041541-025A
G155	4/30/2024	11:21	14.8	58.6	7.27	960.1	1.11	45.64	114.1	9.25	24041541-026A
G200	5/7/2024	12:53	17.3	63.1	7.19	849.7	0.13	53.10	6.4	2.90	24041541-027A
G206	4/30/2024	10:57	15.1	59.2	7.12	858.5	1.71	12.71	-37.4	9.69	24041541-028A
G206D	4/30/2024	10:28	15.9	60.6	7.26	981.7	0.71	13.00	-104.1	29.57	24041541-029A
G207	5/7/2024	11:46	17.1	62.8	7.26	635.9	2.60	2.00	78.5	10.25	24041541-030A
G208	4/30/2024	11:27	15.4	59.8	7.33	545.7	4.69	6.43	72.9	10.36	24041541-031A
G209	5/1/2024	12:16	13.9	57.1	7.01	1,535.6	0.87	10.85	-6.9	9.64	24041541-032A
G210	5/1/2024	11:27	14.8	58.7	7.21	886.3	0.79	37.29	145.9	9.90	24041541-033A
G211	5/1/2024	10:40	15.4	59.8	7.31	781.6	1.68	28.87	150.0	9.85	24041541-034A
G212	5/1/2024	9:52	14.6	58.2	7.19	681.3	1.24	4.65	132.7	10.30	24041541-035A
G213	5/6/2024	14:28	15.4	59.8	7.14	668.3	0.90	31.60	63.5	10.98	24041541-036A
G214	4/30/2024	14:17	14.8	58.6	7.08	962.9	1.41	56.68	78.8	13.98	24041541-037A
G215	4/30/2024	13:19	15.1	59.2	6.87	1,908.7	0.69	10.28	-7.8	13.89	24041541-038A
G216	4/30/2024	12:20	15.8	60.5	6.93	2,081.6	2.60	56.89	-35.9	13.22	24041541-039A
G217	5/2/2024	12:39	15.6	60.1	6.88	1,560.0	0.76	4.53	12.7	13.75	24041541-040A
G218	5/2/2024	11:47	15.7	60.2	6.90	1,522.4	0.63	25.80	-21.4	12.93	24041541-041A
G270	5/8/2024	9:40	14.0	57.2	7.11	688.1	1.83	1.26	55.0	1.94	24041541-042A

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary
Coffeen- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
G271	5/1/2024	13:37	14.2	57.6	7.06	1,076.4	1.22	4.33	112.9	8.40	24041541-043A
G272	5/1/2024	13:10	14.8	58.6	7.13	1,339.7	2.43	5.67	92.5	8.80	24041541-044A
G273	5/1/2024	12:30	13.9	57.0	6.97	1,570.3	0.66	3.02	24.3	8.65	24041541-045A
G274	5/1/2024	14:21	14.7	58.4	7.09	951.2	2.50	4.65	54.1	12.38	24041541-046A
G275	5/2/2024	10:33	16.4	61.5	6.93	1,027.0	4.95	19.58	70.3	12.64	24041541-047A
G275D	5/2/2024	9:58	17.7	63.8	7.23	1,503.7	0.58	64.88	-105.5	46.64	24041541-048A
G276	5/7/2024	11:45	18.1	64.6	6.83	1,214.5	5.02	10.30	59.5	26.70	24041541-049A
G277	5/7/2024	9:40	15.4	59.7	6.88	1,825.5	4.56	4.28	107.2	19.56	24041541-050A
G278	5/7/2024	13:31	19.7	67.5	6.68	2,756.8	2.06	1.95	78.1	23.97	24041541-051A
G279	5/3/2024	9:40	16.6	61.9	6.81	2,556.4	2.58	1.92	122.0	21.98	24041541-052A
G280	5/6/2024	14:07	13.7	56.7	7.31	833.7	0.19	18.68	71.1	3.86	24041541-053A
G281	5/3/2024	10:27	13.7	56.7	6.96	1,327.1	0.15	62.55	91.0	4.24	24041541-054A
G283	5/6/2024	10:59	13.1	55.5	7.05	1,192.3	0.69	6.54	-73.6	4.18	24041541-055A
G284	5/6/2024	11:36	12.5	54.5	7.20	717.2	2.89	0.75	52.0	10.00	24041541-056A
G285	5/6/2024	12:22	13.1	55.5	6.70	2,003.8	0.66	7.80	79.1	4.80	24041541-057A
G301	5/6/2024	10:28	14.3	57.7	6.26	1,068.7	0.69	3.60	-39.8	6.18	24041541-058A
G302	5/6/2024	11:54	13.9	57.0	6.49	1,581.9	0.86	3.24	-73.7	5.52	24041541-059A
G303	5/1/2024	10:49	14.4	57.8	6.69	1,855.9	1.22	71.31	-27.0	3.69	24041541-060A
G305	5/1/2024	14:41	14.6	58.2	7.09	1,617.6	1.22	11.25	55.6	6.04	24041541-061A
G306	5/1/2024	13:47	13.7	56.7	6.42	682.5	4.40	36.14	77.7	5.42	24041541-062A
G307	5/2/2024	14:32	22.3	72.2	7.03	1,121.1	2.14	75.20	6.5	0.00	24041541-063A
G307D	5/2/2024	11:35	16.8	62.2	7.18	1,201.0	3.01	30.22	-38.6	2.83	24041541-064A
G308	5/2/2024	12:53	14.1	57.3	7.14	1,694.9	0.71	2.40	55.6	4.12	24041541-065A
G310	5/3/2024	9:55	13.4	56.0	6.74	1,197.6	0.69	2.02	31.8	7.23	24041541-066A
G312	5/6/2024	13:29	13.8	56.8	6.16	2,159.1	0.69	3.61	35.2	10.18	24041541-067A
G313	5/1/2024	12:13	14.1	57.3	6.81	1,720.9	0.69	31.82	51.2	3.01	24041541-068A
G314	4/30/2024	14:13	13.7	56.6	6.56	3,483.8	0.61	16.21	-6.3	5.48	24041541-069A
G314D	4/30/2024	13:07	14.6	58.4	6.96	2,722.4	0.56	178.65	-36.7	5.82	24041541-070A
G315	5/2/2024	10:31	14.3	57.7	6.77	1,170.1	0.80	1.96	14.7	2.34	24041541-071A
G316	4/30/2024	11:56	12.4	54.4	6.83	1,896.2	0.65	7.79	-82.3	10.95	24041541-072A
G401	5/2/2024	14:06	17.8	64.0	5.89	1,395.7	1.11	4.24	71.7	20.94	24041541-073A
G402	5/6/2024	12:00	14.0	57.2	7.02	1,666.7	7.65	38.01	111.3	8.74	24041541-074A
G403	5/6/2024	10:28	14.5	58.1	6.85	716.9	0.30	6.25	70.2	6.26	24041541-075A
G404	5/6/2024	12:44	13.9	57.1	6.84	1,150.3	1.09	3.05	88.6	3.80	24041541-076A
G405	5/6/2024	13:13	14.0	57.3	6.96	1,818.5	0.71	8.10	59.3	6.05	24041541-077A
G406	5/6/2024	11:05	14.9	58.8	6.65	1,371.7	0.36	1.36	99.9	10.24	24041541-078A
G407	4/29/2024	14:52	14.8	58.7	6.65	2,211.6	1.48	71.17	97.4	4.27	24041541-079A
G410	4/30/2024	10:36	12.9	55.1	6.21	1,045.7	0.77	1.54	38.0	6.21	24041541-080A
G411	4/29/2024	13:11	13.2	55.8	7.04	866.1	0.79	16.20	102.6	4.33	24041541-081A
L202	5/8/2024	11:11	20.5	68.9	11.87	13,935.1	5.12	5.92	-43.3	-	24041541-082A
NE Riser	4/29/2024	13:04	DTW Only							1.05	24041541-083A
R104	5/2/2024	13:00	17.4	63.4	7.47	789.0	4.55	4.01	93.6	6.85	24041541-084A

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary
Coffeen- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
R201	5/7/2024	12:43	16.2	61.2	7.03	986.0	2.05	6.83	-14.0	2.59	24041541-085A
R205	5/7/2024	13:46	15.2	59.3	6.75	1,296.9	2.11	7.63	84.6	4.29	24041541-086A
SG-02	4/29/2024	15:29	DTW Only							6.68	24041541-087A
SG-03	4/29/2024	10:27	DTW Only							7.94	24041541-088A
T127	5/6/2024	15:06	14.8	58.7	6.98	716.5	2.01	25.01	48.2	13.81	24041541-089A
T128	5/1/2024	11:31	15.1	59.3	7.16	745.8	2.69	4.88	92.7	13.83	24041541-090A
X201	5/7/2024	13:25	24.5	76.1	5.93	20,857.6	8.28	4.73	158.9		24041541-091A
XPW01	5/7/2024	13:55	16.7	62.1	7.80	1,284.1	0.62	8.23	-121.6	4.63	24041541-092A
XPW02	5/8/2024	10:49	16.7	62.0	7.69	839.6	0.61	4.12	-209.3	9.87	24041541-093A
XSG-01	4/29/2024	11:10	DTW Only							7.94	24041541-094A
Field Blank	5/8/2024	11:21	QA/QC Sample							-	24041541-095A
G102 Duplicate	5/2/2024	11:03	14.1	57.4	7.29	558.1	2.89	11.75	78.8	4.33	24041541-096A
G200 Duplicate	5/7/2024	12:53	17.3	63.1	7.19	849.7	0.13	53.10	6.4	2.90	24041541-097A
G217 Duplicate	5/2/2024	12:39	15.6	60.1	6.88	1,560.0	0.76	4.53	12.7	13.75	24041541-098A
G301 Duplicate	5/6/2024	10:28	14.3	57.7	6.26	1,068.7	0.69	3.60	-39.8	6.18	24041541-099A
R201 Duplicate	5/7/2024	12:43	16.2	61.2	7.03	986.0	2.05	6.83	-14.0	2.59	24041541-100A
Equipment Blank 1	5/8/2024	11:35	QA/QC Sample							-	24041541-101A
G219	5/7/2024	11:10	13.9	56.9	7.17	866.6	0.45	26.09	-58.1	6.45	24041541-104A
G220	5/7/2024	12:08	15.4	59.8	6.89	1,265.9	0.64	24.62	20.7	12.10	24041541-105A

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP2D	5/8/2024	9:37	20.50	15.7	60.3	8.07	1,810.9	0.29	77.40	-191.5
AP2D	5/8/2024	9:40	20.50	15.6	60.0	8.05	1,813.6	0.22	79.44	-195.8
AP2D	5/8/2024	9:43	20.50	15.5	59.9	8.04	1,811.0	0.18	48.74	-197.9
AP2D	5/8/2024	9:46	20.50	15.5	59.9	8.02	1,806.6	0.16	41.03	-199.1
AP2D	5/8/2024	9:49	20.50	15.5	59.9	8.01	1,803.2	0.14	37.12	-199.4
AP2D	5/8/2024	9:52	20.50	15.5	59.9	8.01	1,803.0	0.12	37.82	-200.3

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1001	5/7/2024	9:58	5.73	15.5	59.9	6.69	1,343.3	2.41	8.20	-10.9
G1001	5/7/2024	10:01	5.73	15.6	60.1	6.74	1,165.7	2.43	6.38	-7.4
G1001	5/7/2024	10:04	5.73	15.5	60.0	6.78	1,073.6	2.56	5.18	-4.9
G1001	5/7/2024	10:07	5.73	15.6	60.1	6.80	1,038.4	2.70	4.09	-3.2
G1001	5/7/2024	10:10	5.73	16.0	60.8	6.82	1,036.5	2.81	3.53	-1.4
G1001	5/7/2024	10:13	5.73	16.9	62.4	6.81	1,042.9	2.81	3.14	1.0
G1001	5/7/2024	10:16	5.73	17.7	63.9	6.82	1,048.1	2.79	2.87	3.4

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1003	5/6/2024	13:18	11.16	Dry- No Sample						

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G101	5/2/2024	10:10	3.90	13.8	56.8	7.37	781.8	0.46	67.82	61.2
G101	5/2/2024	10:13	3.90	13.7	56.7	7.37	782.4	0.42	63.77	58.7
G101	5/2/2024	10:16	3.90	13.7	56.7	7.37	780.9	0.38	55.09	56.7
G101	5/2/2024	10:19	3.90	13.7	56.7	7.37	781.6	0.36	55.92	55.3
G101	5/2/2024	10:22	3.90	13.8	56.8	7.37	781.9	0.34	51.61	54.1

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102	5/2/2024	10:45	4.33	14.4	58.0	7.29	541.8	3.49	8.29	81.3
G102	5/2/2024	10:48	4.33	14.3	57.7	7.28	533.9	3.41	8.00	78.9
G102	5/2/2024	10:51	4.33	14.3	57.8	7.28	539.0	3.25	12.29	78.0
G102	5/2/2024	10:54	4.33	14.2	57.6	7.29	544.0	3.10	15.69	77.7
G102	5/2/2024	10:57	4.33	14.2	57.5	7.28	548.5	3.03	11.60	77.9
G102	5/2/2024	11:00	4.33	14.1	57.4	7.29	553.4	2.96	9.57	78.3
G102	5/2/2024	11:03	4.33	14.1	57.4	7.29	558.1	2.89	11.75	78.8

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G103	5/2/2024	12:02	8.89	14.8	58.7	7.14	873.4	2.83	15.65	98.6
G103	5/2/2024	12:05	8.89	15.2	59.4	7.13	877.0	2.46	18.40	97.7
G103	5/2/2024	12:08	8.89	15.6	60.1	7.11	881.1	2.20	8.80	96.4
G103	5/2/2024	12:11	8.89	15.5	59.9	7.10	888.6	1.82	7.33	96.4
G103	5/2/2024	12:14	8.89	15.5	60.0	7.08	894.4	1.48	10.94	95.9
G103	5/2/2024	12:17	8.89	15.6	60.1	7.07	898.8	1.23	7.46	95.3
G103	5/2/2024	12:20	8.89	15.7	60.3	7.06	899.8	1.09	5.67	94.6
G103	5/2/2024	12:23	8.89	15.8	60.4	7.05	901.0	1.01	4.29	94.0
G103	5/2/2024	12:26	8.89	15.8	60.4	7.05	901.7	0.96	4.20	93.6

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G105	5/2/2024	13:21	8.23	15.4	59.7	7.23	841.9	0.49	5.18	-107.1
G105	5/2/2024	13:24	8.23	15.4	59.8	7.21	840.1	0.33	4.66	-114.9
G105	5/2/2024	13:27	8.23	15.4	59.7	7.20	834.5	0.31	4.09	-112.8
G105	5/2/2024	13:30	8.23	15.4	59.7	7.20	830.6	0.25	3.86	-111.6

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G106	5/2/2024	14:06	9.13	15.2	59.3	7.10	955.2	2.02	3.37	67.3
G106	5/2/2024	14:09	9.13	15.5	59.9	7.10	957.5	1.94	4.15	67.7
G106	5/2/2024	14:12	9.13	15.5	59.8	7.10	956.8	1.91	4.23	67.7
G106	5/2/2024	14:15	9.13	15.4	59.7	7.10	957.2	1.89	4.71	68.4

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G107	5/3/2024	9:11	8.61	14.6	58.2	7.34	765.5	5.12	8.84	90.4
G107	5/3/2024	9:14	8.61	15.0	58.9	7.34	765.7	5.05	9.14	85.4
G107	5/3/2024	9:17	8.61	15.2	59.4	7.33	764.1	4.99	10.02	82.0
G107	5/3/2024	9:20	8.61	15.6	60.0	7.33	763.7	5.02	10.26	80.3

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G108	5/1/2024	10:18	8.74	14.6	58.2	7.23	755.3	2.60	4.01	94.4
G108	5/1/2024	10:21	8.74	14.7	58.4	7.22	755.3	2.45	3.81	92.7
G108	5/1/2024	10:24	8.74	14.6	58.3	7.22	755.1	2.25	3.76	91.7
G108	5/1/2024	10:27	8.74	14.7	58.5	7.21	754.9	2.05	3.31	90.6
G108	5/1/2024	10:30	8.74	14.6	58.3	7.20	755.5	1.88	2.75	89.5
G108	5/1/2024	10:33	8.74	14.7	58.4	7.20	754.3	1.73	2.34	88.8
G108	5/1/2024	10:36	8.74	14.6	58.3	7.19	755.5	1.59	2.10	88.4

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G109	5/1/2024	9:44	8.44	13.8	56.8	7.00	960.5	0.29	46.73	99.6
G109	5/1/2024	9:47	8.44	13.8	56.9	7.00	960.5	0.25	32.53	96.3
G109	5/1/2024	9:50	8.44	13.8	56.9	7.00	960.3	0.21	29.91	94.5
G109	5/1/2024	9:53	8.44	13.9	57.0	7.01	960.2	0.18	28.90	92.9

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G110	4/30/2024	14:39	9.30	14.8	58.6	6.91	871.5	1.12	6.37	80.4
G110	4/30/2024	14:42	9.30	14.9	58.8	6.87	862.4	0.77	7.66	81.1
G110	4/30/2024	14:45	9.30	14.8	58.7	6.87	868.4	0.63	9.40	80.8
G110	4/30/2024	14:48	9.30	14.9	58.8	6.87	872.5	0.53	9.64	80.5

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G111	4/30/2024	14:02	9.23	15.1	59.2	7.18	904.3	2.37	4.37	63.3
G111	4/30/2024	14:05	9.23	15.0	59.0	7.16	904.1	2.07	3.69	62.3
G111	4/30/2024	14:08	9.23	15.0	58.9	7.15	903.4	2.01	4.64	62.3
G111	4/30/2024	14:11	9.23	15.0	58.9	7.15	903.8	1.89	3.31	62.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G119	5/1/2024	11:52	14.96	15.2	59.4	7.28	713.3	3.07	3.95	102.5
G119	5/1/2024	11:55	14.96	15.3	59.6	7.27	714.5	2.76	4.49	101.4
G119	5/1/2024	11:58	14.96	15.3	59.5	7.26	713.9	2.41	5.31	100.3
G119	5/1/2024	12:01	14.96	15.2	59.3	7.25	714.3	1.95	5.73	99.3
G119	5/1/2024	12:04	14.96	15.3	59.5	7.25	713.8	1.60	5.45	98.2
G119	5/1/2024	12:07	14.96	15.2	59.4	7.25	714.1	1.45	5.15	97.0
G119	5/1/2024	12:10	14.96	15.1	59.2	7.24	713.7	1.26	5.01	96.0
G119	5/1/2024	12:13	14.96	15.2	59.4	7.24	713.9	1.11	5.38	94.9
G119	5/1/2024	12:16	14.96	15.1	59.3	7.23	713.7	0.95	4.56	93.8
G119	5/1/2024	12:19	14.96	15.2	59.4	7.23	712.3	0.87	3.94	92.6
G119	5/1/2024	12:22	14.96	15.1	59.1	7.23	712.8	0.79	3.64	91.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G120	5/1/2024	12:45	13.99	15.9	60.7	7.34	873.9	6.87	6.12	112.9
G120	5/1/2024	12:48	13.99	16.2	61.2	7.34	874.4	6.87	6.90	111.9
G120	5/1/2024	12:51	13.99	16.3	61.4	7.34	775.2	6.83	8.37	111.2

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G121	5/1/2024	13:12	13.92	15.3	59.5	7.14	966.4	5.53	7.90	121.2
G121	5/1/2024	13:15	13.92	15.1	59.1	7.14	965.3	5.48	7.47	119.7
G121	5/1/2024	13:18	13.92	15.1	59.1	7.14	965.9	5.47	6.06	118.6
G121	5/1/2024	13:21	13.92	15.2	59.3	7.13	965.7	5.45	6.66	118.0

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G122	5/1/2024	13:50	12.49	16.4	61.5	6.91	1,185.6	3.19	20.59	112.3
G122	5/1/2024	13:53	12.49	16.5	61.7	6.90	1,182.6	3.18	16.64	110.2
G122	5/1/2024	13:56	12.49	16.6	62.0	6.90	1,180.8	3.09	15.46	108.8
G122	5/1/2024	13:59	12.49	16.8	62.2	6.89	1,179.4	2.98	13.52	107.9

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G123	5/7/2024	9:43	10.84	15.6	60.1	7.07	950.0	2.29	140.85	68.5
G123	5/7/2024	9:46	10.84	15.6	60.1	7.06	952.9	2.23	120.90	69.6
G123	5/7/2024	9:49	10.84	15.6	60.0	7.05	951.8	2.07	101.83	70.0
G123	5/7/2024	9:52	10.84	15.3	59.5	7.06	947.7	1.69	75.35	69.0
G123	5/7/2024	9:55	10.84	15.4	59.6	7.05	945.0	1.61	65.21	68.5
G123	5/7/2024	9:58	10.84	15.4	59.7	7.06	946.3	1.60	66.41	68.8
G123	5/7/2024	10:01	10.84	15.4	59.7	7.06	946.0	1.55	68.00	69.2

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G124	5/1/2024	14:24	11.38	15.1	59.2	7.25	892.9	5.36	9.85	102.9
G124	5/1/2024	14:27	11.38	15.0	59.0	7.23	888.6	4.75	10.63	105.5
G124	5/1/2024	14:30	11.38	14.9	58.9	7.23	884.8	4.23	13.02	106.9
G124	5/1/2024	14:33	11.38	14.9	58.9	7.22	881.4	3.83	15.56	108.0
G124	5/1/2024	14:36	11.38	14.8	58.6	7.21	878.6	3.61	19.05	108.9
G124	5/1/2024	14:39	11.38	14.8	58.6	7.21	877.2	3.37	21.66	109.3
G124	5/1/2024	14:42	11.38	14.8	58.7	7.21	876.1	3.21	26.47	109.5
G124	5/1/2024	14:45	11.38	14.7	58.5	7.21	876.9	3.06	20.23	109.5
G124	5/1/2024	14:48	11.38	14.7	58.4	7.20	874.7	2.91	23.42	109.7
G124	5/1/2024	14:51	11.38	14.8	58.6	7.20	875.1	2.83	20.76	109.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G125	5/2/2024	9:26	11.12	14.0	57.2	7.15	915.8	0.85	5.43	38.0
G125	5/2/2024	9:29	11.12	14.0	57.2	7.19	915.7	0.65	5.12	38.3
G125	5/2/2024	9:32	11.12	14.0	57.2	7.19	916.9	0.71	14.90	39.6
G125	5/2/2024	9:35	11.12	14.0	57.3	7.19	917.7	0.65	25.63	40.4
G125	5/2/2024	9:38	11.12	13.9	57.1	7.19	918.2	0.69	23.40	39.8
G125	5/2/2024	9:41	11.12	14.0	57.1	7.19	918.2	0.68	22.75	39.5

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G126	5/3/2024	9:41	8.51	13.9	56.9	7.15	807.2	1.62	6.30	90.9
G126	5/3/2024	9:44	8.51	13.9	57.1	7.14	801.2	1.67	5.96	88.2
G126	5/3/2024	9:47	8.51	13.9	57.1	7.15	802.1	1.42	5.25	85.0
G126	5/3/2024	9:50	8.51	14.0	57.1	7.15	804.0	1.31	4.94	82.5
G126	5/3/2024	9:53	8.51	14.1	57.4	7.16	805.8	1.35	4.48	80.8

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G151	4/30/2024	10:02	10.05	15.8	60.4	7.29	902.6	3.69	20.89	133.9
G151	4/30/2024	10:05	10.05	16.1	60.9	7.29	898.5	3.76	22.10	130.6
G151	4/30/2024	10:08	10.05	16.3	61.3	7.32	899.6	3.79	23.35	126.7
G151	4/30/2024	10:11	10.05	16.7	62.1	7.33	896.6	3.73	25.19	124.1

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G152	5/7/2024	10:57	9.34	16.4	61.5	7.17	808.9	3.93	40.56	23.9
G152	5/7/2024	11:00	9.34	16.3	61.4	7.15	823.2	3.70	34.17	17.9
G152	5/7/2024	11:03	9.34	16.3	61.3	7.18	805.4	3.63	16.67	25.6
G152	5/7/2024	11:06	9.34	16.2	61.2	7.20	788.7	3.48	13.62	30.7
G152	5/7/2024	11:09	9.34	16.6	61.9	7.20	783.6	3.36	10.25	33.2
G152	5/7/2024	11:12	9.34	16.7	62.0	7.21	784.2	3.32	9.16	35.4
G152	5/7/2024	11:15	9.34	16.6	61.8	7.21	781.9	3.20	8.38	36.5

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G153	4/30/2024	12:26	10.54	15.0	59.1	6.74	4,118.5	0.47	29.42	-93.8
G153	4/30/2024	12:29	10.54	15.0	59.1	6.74	4,024.6	0.38	16.76	-83.1
G153	4/30/2024	12:32	10.54	15.0	58.9	6.74	3,971.3	0.38	13.62	-72.6
G153	4/30/2024	12:35	10.54	15.0	59.0	6.75	3,947.1	0.35	11.46	-64.2
G153	4/30/2024	12:38	10.54	15.1	59.1	6.75	3,946.3	0.33	10.76	-59.3

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G154	4/30/2024	11:52	6.54	14.9	58.7	7.40	658.0	2.19	27.08	112.6
G154	4/30/2024	11:55	6.54	14.8	58.7	7.40	656.7	2.12	29.29	112.9
G154	4/30/2024	11:58	6.54	14.7	58.5	7.39	656.8	2.06	30.35	113.1
G154	4/30/2024	12:01	6.54	14.9	58.8	7.39	655.4	2.02	31.93	113.3

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G155	4/30/2024	11:06	9.25	14.8	58.6	7.30	960.0	2.02	56.45	117.8
G155	4/30/2024	11:09	9.25	14.7	58.5	7.29	960.9	1.70	51.85	117.2
G155	4/30/2024	11:12	9.25	14.8	58.6	7.29	959.3	1.50	48.49	116.4
G155	4/30/2024	11:15	9.25	14.8	58.7	7.28	959.5	1.35	45.28	115.5
G155	4/30/2024	11:18	9.25	14.8	58.7	7.28	959.4	1.24	46.25	114.8
G155	4/30/2024	11:21	9.25	14.8	58.6	7.27	960.1	1.11	45.64	114.1

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200	5/7/2024	12:29	2.90	16.6	61.9	7.20	848.9	0.91	20.80	29.5
G200	5/7/2024	12:32	2.90	16.7	62.1	7.19	847.2	0.55	30.37	24.3
G200	5/7/2024	12:35	2.90	16.5	61.7	7.19	846.9	0.41	84.52	20.5
G200	5/7/2024	12:38	2.90	16.7	62.0	7.18	849.0	0.31	86.74	17.6
G200	5/7/2024	12:41	2.90	16.6	62.0	7.19	849.0	0.25	74.88	14.2
G200	5/7/2024	12:44	2.90	16.8	62.2	7.19	848.9	0.20	63.14	11.6
G200	5/7/2024	12:47	2.90	17.1	62.8	7.19	849.3	0.17	57.50	11.4
G200	5/7/2024	12:50	2.90	17.0	62.6	7.19	849.2	0.15	58.08	8.3
G200	5/7/2024	12:53	2.90	17.3	63.1	7.19	849.7	0.13	53.10	6.4

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206	4/30/2024	10:45	9.69	15.1	59.1	7.13	844.7	1.68	25.99	-23.9
G206	4/30/2024	10:48	9.69	15.1	59.2	7.13	647.9	1.69	17.49	-30.8
G206	4/30/2024	10:51	9.69	15.1	59.1	7.12	853.2	1.63	12.85	-34.4
G206	4/30/2024	10:54	9.69	15.1	59.2	7.12	855.5	1.63	12.24	-36.4
G206	4/30/2024	10:57	9.69	15.1	59.2	7.12	858.5	1.71	12.71	-37.4

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206D	4/30/2024	9:52	29.57	15.5	59.9	7.08	976.0	1.68	9.04	-11.9
G206D	4/30/2024	9:55	29.57	15.8	60.4	7.13	978.6	1.12	37.81	-51.3
G206D	4/30/2024	9:58	29.57	15.8	60.4	7.18	981.1	0.96	43.31	-73.1
G206D	4/30/2024	10:01	29.57	15.7	60.3	7.22	980.6	1.17	36.28	-88.2
G206D	4/30/2024	10:04	29.57	15.7	60.2	7.23	979.8	0.84	63.48	-94.2
G206D	4/30/2024	10:07	29.57	15.7	60.2	7.23	979.1	0.77	71.22	-97.2
G206D	4/30/2024	10:10	29.57	15.7	60.3	7.24	977.8	0.74	50.88	-99.4
G206D	4/30/2024	10:13	29.57	15.7	60.3	7.24	976.9	0.71	65.26	-100.8
G206D	4/30/2024	10:16	29.57	15.8	60.4	7.24	976.2	0.69	125.52	-102.2
G206D	4/30/2024	10:19	29.57	16.1	61.0	7.25	974.4	0.68	24.94	-103.6
G206D	4/30/2024	10:22	29.57	16.5	61.6	7.25	977.0	0.70	23.62	-103.9
G206D	4/30/2024	10:25	29.57	16.5	61.7	7.25	976.7	0.70	22.97	-103.7
G206D	4/30/2024	10:28	29.57	15.9	60.6	7.26	981.7	0.71	13.00	-104.1

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G207	5/7/2024	11:37	10.25	17.4	63.2	7.27	636.8	3.03	3.09	75.7
G207	5/7/2024	11:40	10.25	16.7	62.1	7.27	636.7	2.82	2.33	77.1
G207	5/7/2024	11:43	10.25	16.8	62.2	7.26	634.4	2.66	2.10	78.3
G207	5/7/2024	11:46	10.25	17.1	62.8	7.26	635.9	2.60	2.00	78.5

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G208	4/30/2024	11:18	10.36	15.5	60.0	7.35	546.8	5.05	4.02	56.7
G208	4/30/2024	11:21	10.36	15.3	59.6	7.34	547.0	4.87	3.94	62.7
G208	4/30/2024	11:24	10.36	15.4	59.7	7.33	546.1	4.78	4.94	68.0
G208	4/30/2024	11:27	10.36	15.4	59.8	7.33	545.7	4.69	6.43	72.9

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G209	5/1/2024	11:43	9.64	15.6	60.0	7.02	1,189.9	1.96	34.10	-11.9
G209	5/1/2024	11:46	9.64	15.6	60.1	6.95	1,195.2	1.27	21.88	-25.0
G209	5/1/2024	11:49	9.64	15.5	59.9	6.94	1,195.6	1.04	20.26	-29.1
G209	5/1/2024	11:52	9.64	15.5	59.8	6.94	1,196.3	0.94	18.23	-30.9
G209	5/1/2024	11:55	9.64	15.7	60.2	6.93	1,195.8	0.86	18.21	-32.3
G209	5/1/2024	11:58	9.64	*Tubing Disconnected from Flow cell; readings invalid*						
G209	5/1/2024	12:01	9.64							
G209	5/1/2024	12:04	9.64							
G209	5/1/2024	12:07	9.64							
G209	5/1/2024	12:10	9.64	14.2	57.5	7.44	1,602.1	1.26	12.40	49.4
G209	5/1/2024	12:13	9.64	14.0	57.2	7.06	1,511.5	1.17	18.29	-12.5
G209	5/1/2024	12:16	9.64	13.9	57.1	7.01	1,535.6	0.87	10.85	-6.9

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G210	5/1/2024	11:00	9.90	14.6	58.4	7.22	886.9	1.61	11.35	133.1
G210	5/1/2024	11:03	9.90	14.7	58.4	7.21	889.4	1.28	13.36	139.2
G210	5/1/2024	11:06	9.90	14.8	58.6	7.21	889.9	1.14	16.54	142.3
G210	5/1/2024	11:09	9.90	14.7	58.5	7.21	889.7	1.05	19.04	144.1
G210	5/1/2024	11:12	9.90	14.8	58.6	7.21	888.9	0.97	22.08	145.2
G210	5/1/2024	11:15	9.90	14.8	58.7	7.20	888.4	0.91	25.44	145.8
G210	5/1/2024	11:18	9.90	14.8	58.7	7.21	888.0	0.88	29.48	145.9
G210	5/1/2024	11:21	9.90	14.9	58.8	7.20	887.4	0.85	32.07	146.0
G210	5/1/2024	11:24	9.90	14.9	58.7	7.21	887.3	0.81	34.15	145.9
G210	5/1/2024	11:27	9.90	14.8	58.7	7.21	886.3	0.79	37.29	145.9

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G211	5/1/2024	10:16	9.85	15.2	59.4	7.33	780.5	2.11	37.54	152.7
G211	5/1/2024	10:19	9.85	15.2	59.4	7.33	781.1	2.02	34.79	152.1
G211	5/1/2024	10:22	9.85	15.3	59.5	7.32	780.3	1.96	28.54	151.8
G211	5/1/2024	10:25	9.85	15.3	59.5	7.32	780.3	1.90	28.79	151.5
G211	5/1/2024	10:28	9.85	15.4	59.6	7.32	780.5	1.86	27.16	151.2
G211	5/1/2024	10:31	9.85	15.3	59.6	7.32	780.6	1.81	25.46	151.0
G211	5/1/2024	10:34	9.85	15.4	59.6	7.32	781.2	1.76	26.00	150.7
G211	5/1/2024	10:37	9.85	15.4	59.7	7.31	780.8	1.73	26.06	150.5
G211	5/1/2024	10:40	9.85	15.4	59.8	7.31	781.6	1.68	28.87	150.0

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G212	5/1/2024	9:43	10.30	14.3	57.7	7.18	677.4	1.65	4.68	137.7
G212	5/1/2024	9:46	10.30	14.4	57.9	7.18	679.4	1.38	4.54	135.4
G212	5/1/2024	9:49	10.30	14.5	58.1	7.18	680.0	1.30	4.58	133.7
G212	5/1/2024	9:52	10.30	14.6	58.2	7.19	681.3	1.24	4.65	132.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G213	5/6/2024	14:10	10.98	15.2	59.3	7.15	671.8	0.91	66.30	62.2
G213	5/6/2024	14:13	10.98	15.3	59.5	7.15	671.1	0.91	57.52	62.0
G213	5/6/2024	14:16	10.98	15.2	59.4	7.15	669.8	0.91	46.70	62.0
G213	5/6/2024	14:19	10.98	15.2	59.4	7.14	670.2	0.90	41.87	62.3
G213	5/6/2024	14:22	10.98	15.4	59.7	7.14	667.0	0.90	37.79	62.4
G213	5/6/2024	14:25	10.98	15.6	60.0	7.14	669.1	0.89	35.66	62.8
G213	5/6/2024	14:28	10.98	15.4	59.8	7.14	668.3	0.90	31.60	63.5

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G214	4/30/2024	13:56	13.98	14.9	58.8	7.17	951.6	3.17	12.84	78.2
G214	4/30/2024	13:59	13.98	14.8	58.7	7.14	954.1	2.78	19.54	78.2
G214	4/30/2024	14:02	13.98	14.8	58.7	7.11	957.0	2.33	23.06	78.2
G214	4/30/2024	14:05	13.98	14.9	58.8	7.10	959.9	2.05	37.06	78.3
G214	4/30/2024	14:08	13.98	14.7	58.5	7.09	960.1	1.79	46.88	78.2
G214	4/30/2024	14:11	13.98	14.8	58.6	7.09	961.6	1.64	51.15	78.3
G214	4/30/2024	14:14	13.98	14.8	58.7	7.08	962.0	1.54	54.01	78.7
G214	4/30/2024	14:17	13.98	14.8	58.6	7.08	962.9	1.41	56.68	78.8

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G215	4/30/2024	12:43	13.89	15.0	58.9	6.87	1,917.5	0.84	41.92	4.0
G215	4/30/2024	12:46	13.89	15.0	58.9	6.87	1,917.1	0.80	37.16	0.4
G215	4/30/2024	12:49	13.89	14.9	58.9	6.87	1,914.7	0.77	34.17	-1.4
G215	4/30/2024	12:52	13.89	15.0	59.0	6.86	1,914.2	0.75	34.60	-2.8
G215	4/30/2024	12:55	13.89	15.0	59.0	6.86	1,914.1	0.74	51.30	-3.9
G215	4/30/2024	12:58	13.89	15.0	59.1	6.86	1,912.4	0.72	22.85	-4.6
G215	4/30/2024	13:01	13.89	14.8	58.7	6.87	1,912.6	0.72	26.90	-5.3
G215	4/30/2024	13:04	13.89	14.9	58.9	6.86	1,911.3	0.71	36.25	-5.7
G215	4/30/2024	13:07	13.89	15.1	59.2	6.86	1,910.1	0.71	47.29	-6.3
G215	4/30/2024	13:10	13.89	15.1	59.2	6.86	1,911.1	0.70	14.69	-6.8
G215	4/30/2024	13:13	13.89	15.1	59.2	6.86	1,909.3	0.70	14.10	-7.2
G215	4/30/2024	13:16	13.89	15.1	59.2	6.87	1,908.6	0.70	17.96	-7.5
G215	4/30/2024	13:19	13.89	15.1	59.2	6.87	1,908.7	0.69	10.28	-7.8

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G216	4/30/2024	12:02	13.22	15.8	60.4	6.91	2,081.7	2.24	89.75	-39.9
G216	4/30/2024	12:05	13.22	15.7	60.3	6.91	2,083.2	2.26	73.60	-38.5
G216	4/30/2024	12:08	13.22	15.7	60.3	6.91	2,083.1	2.31	65.96	-37.7
G216	4/30/2024	12:11	13.22	15.8	60.5	6.92	2,082.2	2.37	61.79	-37.2
G216	4/30/2024	12:14	13.22	15.8	60.5	6.92	2,082.7	2.51	61.15	-36.6
G216	4/30/2024	12:17	13.22	15.8	60.5	6.93	2,082.9	2.55	57.33	-36.1
G216	4/30/2024	12:20	13.22	15.8	60.5	6.93	2,081.6	2.60	56.89	-35.9

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217	5/2/2024	12:24	13.75	15.6	60.0	6.89	1,552.2	0.85	78.38	10.9
G217	5/2/2024	12:27	13.75	15.5	59.9	6.89	1,555.1	0.83	92.93	11.2
G217	5/2/2024	12:30	13.75	15.4	59.8	6.88	1,558.7	0.82	6.39	11.5
G217	5/2/2024	12:33	13.75	15.5	59.9	6.88	1,557.9	0.80	10.99	11.7
G217	5/2/2024	12:36	13.75	15.5	59.8	6.88	1,560.8	0.78	4.73	12.3
G217	5/2/2024	12:39	13.75	15.6	60.1	6.88	1,560.0	0.76	4.53	12.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G218	5/2/2024	11:20	12.93	15.5	59.9	6.90	1,530.4	0.78	74.04	-15.3
G218	5/2/2024	11:23	12.93	15.5	60.0	6.90	1,528.1	0.75	56.89	-16.1
G218	5/2/2024	11:26	12.93	15.6	60.1	6.90	1,527.2	0.72	65.16	-17.3
G218	5/2/2024	11:29	12.93	15.5	59.9	6.90	1,526.4	0.71	63.35	-18.1
G218	5/2/2024	11:32	12.93	15.6	60.1	6.90	1,525.7	0.68	47.05	-18.8
G218	5/2/2024	11:35	12.93	15.6	60.1	6.90	1,525.7	0.67	50.14	-19.4
G218	5/2/2024	11:38	12.93	15.7	60.2	6.90	1,524.9	0.66	29.11	-20.0
G218	5/2/2024	11:41	12.93	15.7	60.3	6.90	1,523.5	0.65	26.15	-20.4
G218	5/2/2024	11:44	12.93	15.7	60.2	6.90	1,523.9	0.65	29.00	-20.9
G218	5/2/2024	11:47	12.93	15.7	60.2	6.90	1,522.4	0.63	25.80	-21.4

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G270	5/8/2024	9:31	1.94	14.5	58.1	7.17	688.9	2.81	4.78	49.0
G270	5/8/2024	9:34	1.94	14.3	57.8	7.14	688.9	2.41	2.22	58.8
G270	5/8/2024	9:37	1.94	14.2	57.5	7.13	688.3	2.06	1.57	60.3
G270	5/8/2024	9:40	1.94	14.0	57.2	7.11	688.1	1.83	1.26	55.0

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G271	5/1/2024	13:28	8.40	13.4	56.2	7.26	945.4	5.00	2.15	114.5
G271	5/1/2024	13:31	8.40	13.7	56.7	7.23	950.5	4.78	3.88	114.7
G271	5/1/2024	13:34	8.40	14.2	57.5	7.10	1,022.0	2.87	3.88	115.0
G271	5/1/2024	13:37	8.40	14.2	57.6	7.06	1,076.4	1.22	4.33	112.9

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G272	5/1/2024	12:55	8.80	15.0	59.0	7.15	1,289.5	3.39	15.96	78.1
G272	5/1/2024	12:58	8.80	15.0	59.0	7.14	1,309.1	2.95	11.11	82.0
G272	5/1/2024	13:01	8.80	14.9	58.8	7.13	1,322.5	2.67	6.86	85.1
G272	5/1/2024	13:04	8.80	14.9	58.8	7.13	1,332.5	2.53	5.68	87.8
G272	5/1/2024	13:07	8.80	14.9	58.9	7.13	1,334.8	2.44	5.70	90.3
G272	5/1/2024	13:10	8.80	14.8	58.6	7.13	1,339.7	2.43	5.67	92.5

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G273	5/1/2024	12:18	8.65	13.9	57.1	6.99	1,546.9	0.80	7.30	-1.7
G273	5/1/2024	12:21	8.65	13.9	57.0	6.98	1,557.4	0.74	5.09	5.3
G273	5/1/2024	12:24	8.65	13.9	57.0	6.97	1,563.5	0.70	3.97	12.2
G273	5/1/2024	12:27	8.65	13.9	57.0	6.97	1,567.7	0.68	3.32	18.6
G273	5/1/2024	12:30	8.65	13.9	57.0	6.97	1,570.3	0.66	3.02	24.3

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G274	5/1/2024	14:03	12.38	14.8	58.6	7.12	874.6	3.19	21.92	34.3
G274	5/1/2024	14:06	12.38	14.8	58.6	7.12	859.1	3.36	19.11	34.9
G274	5/1/2024	14:09	12.38	14.6	58.4	7.12	857.6	3.37	12.75	37.3
G274	5/1/2024	14:12	12.38	14.7	58.5	7.11	874.3	3.24	8.75	41.2
G274	5/1/2024	14:12	12.38	14.7	58.5	7.11	874.2	3.23	8.65	41.3
G274	5/1/2024	14:15	12.38	14.7	58.5	7.11	901.2	2.98	7.25	45.0
G274	5/1/2024	14:18	12.38	14.6	58.3	7.10	926.8	2.73	5.92	50.0
G274	5/1/2024	14:21	12.38	14.7	58.4	7.09	951.2	2.50	4.65	54.1

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275	5/2/2024	10:21	12.64	16.2	61.1	6.93	1,025.3	5.16	18.42	53.7
G275	5/2/2024	10:24	12.64	16.4	61.5	6.93	1,027.4	5.08	17.83	58.0
G275	5/2/2024	10:27	12.64	16.4	61.5	6.93	1,025.5	5.06	17.38	62.2
G275	5/2/2024	10:30	12.64	16.3	61.3	6.93	1,026.0	5.03	18.60	66.2
G275	5/2/2024	10:33	12.64	16.4	61.5	6.93	1,027.0	4.95	19.58	70.3

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275D	5/2/2024	9:37	46.64	17.4	63.3	7.19	1,495.3	0.73	35.49	-113.3
G275D	5/2/2024	9:40	46.64	17.5	63.5	7.20	1,496.8	0.70	47.86	-114.7
G275D	5/2/2024	9:43	46.64	17.6	63.6	7.20	1,497.8	0.66	54.46	-114.4
G275D	5/2/2024	9:46	46.64	17.5	63.4	7.21	1,500.4	0.64	62.66	-112.4
G275D	5/2/2024	9:49	46.64	17.5	63.5	7.22	1,501.5	0.62	69.36	-109.9
G275D	5/2/2024	9:52	46.64	17.5	63.5	7.22	1,502.7	0.60	68.93	-107.4
G275D	5/2/2024	9:55	46.64	17.6	63.6	7.23	1,504.1	0.59	65.97	-106.2
G275D	5/2/2024	9:58	46.64	17.7	63.8	7.23	1,503.7	0.58	64.88	-105.5

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G276	5/7/2024	11:24	26.70	17.9	64.3	6.91	1,214.2	5.47	18.12	55.1
G276	5/7/2024	11:27	26.70	18.0	64.4	6.90	1,207.2	5.40	21.11	55.6
G276	5/7/2024	11:30	26.70	18.3	64.9	6.88	1,211.6	5.31	20.95	56.0
G276	5/7/2024	11:33	26.70	18.5	65.4	6.87	1,211.3	5.25	16.29	56.5
G276	5/7/2024	11:36	26.70	18.5	65.4	6.86	1,215.1	5.17	44.11	57.4
G276	5/7/2024	11:39	26.70	18.0	64.4	6.85	1,219.2	5.18	11.72	58.3
G276	5/7/2024	11:42	26.70	17.9	64.1	6.84	1,214.0	5.17	9.19	59.3
G276	5/7/2024	11:45	26.70	18.1	64.6	6.83	1,214.5	5.02	10.30	59.5

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G277	5/7/2024	9:25	19.56	14.3	57.8	6.90	1,656.8	5.41	14.70	119.7
G277	5/7/2024	9:28	19.56	14.6	58.3	6.90	1,698.7	5.08	12.17	116.4
G277	5/7/2024	9:31	19.56	14.8	58.6	6.89	1,743.1	4.93	7.52	114.0
G277	5/7/2024	9:34	19.56	15.0	59.0	6.88	1,794.4	4.66	6.12	111.7
G277	5/7/2024	9:37	19.56	15.2	59.3	6.88	1,813.9	4.53	6.49	109.2
G277	5/7/2024	9:40	19.56	15.4	59.7	6.88	1,825.5	4.56	4.28	107.2

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G278	5/7/2024	12:55	23.97	17.8	64.0	6.75	2,776.6	2.80	15.65	77.7
G278	5/7/2024	12:58	23.97	17.9	64.2	6.76	2,245.9	3.11	9.66	74.3
G278	5/7/2024	13:01	23.97	17.8	64.0	6.75	2,125.3	3.28	4.25	74.3
G278	5/7/2024	13:04	23.97	17.6	63.7	6.73	2,190.7	3.23	4.11	75.3
G278	5/7/2024	13:07	23.97	17.6	63.7	6.72	2,277.2	2.99	5.58	76.4
G278	5/7/2024	13:10	23.97	18.2	64.7	6.70	2,401.0	2.79	3.97	77.2
G278	5/7/2024	13:13	23.97	18.0	64.4	6.68	2,540.5	2.54	43.56	78.2
G278	5/7/2024	13:16	23.97	18.3	64.9	6.67	2,615.2	2.33	40.39	78.5
G278	5/7/2024	13:19	23.97	19.4	66.9	6.67	2,652.6	2.31	2.09	77.7
G278	5/7/2024	13:22	23.97	19.6	67.2	6.67	2,692.5	2.28	36.33	77.4
G278	5/7/2024	13:25	23.97	19.4	66.9	6.67	2,742.9	2.11	2.51	78.0
G278	5/7/2024	13:28	23.97	19.8	67.6	6.67	2,768.5	2.07	2.02	78.3
G278	5/7/2024	13:31	23.97	19.7	67.5	6.68	2,756.8	2.06	1.95	78.1

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G279	5/3/2024	9:25	21.98	16.2	61.2	6.87	1,947.1	4.85	2.25	105.4
G279	5/3/2024	9:28	21.98	16.6	61.8	6.85	2,095.9	4.63	2.10	111.1
G279	5/3/2024	9:31	21.98	16.7	62.0	6.82	2,406.4	3.85	2.04	115.9
G279	5/3/2024	9:34	21.98	16.7	62.0	6.80	2,552.1	3.06	2.04	118.7
G279	5/3/2024	9:37	21.98	16.7	62.0	6.80	2,567.9	2.67	1.95	120.3
G279	5/3/2024	9:40	21.98	16.6	61.9	6.81	2,556.4	2.58	1.92	122.0

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G280	5/6/2024	13:49	3.86	14.2	57.6	7.32	832.2	0.49	68.90	73.7
G280	5/6/2024	13:52	3.86	13.9	57.0	7.31	830.9	0.38	39.17	73.4
G280	5/6/2024	13:55	3.86	13.9	57.0	7.31	830.8	0.31	31.92	73.0
G280	5/6/2024	13:58	3.86	13.8	56.8	7.31	831.2	0.26	25.82	72.5
G280	5/6/2024	14:01	3.86	13.8	56.8	7.31	832.2	0.23	22.57	72.1
G280	5/6/2024	14:04	3.86	13.8	56.8	7.30	833.2	0.21	19.60	71.8
G280	5/6/2024	14:07	3.86	13.7	56.7	7.31	833.7	0.19	18.68	71.1

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G281	5/3/2024	10:18	4.24	13.8	56.8	6.95	1,326.3	0.19	72.31	96.1
G281	5/3/2024	10:21	4.24	13.8	56.8	6.95	1,326.5	0.17	60.36	94.2
G281	5/3/2024	10:24	4.24	13.7	56.7	6.96	1,328.7	0.16	62.61	92.5
G281	5/3/2024	10:27	4.24	13.7	56.7	6.96	1,327.1	0.15	62.55	91.0

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G283	5/6/2024	10:35	4.18	12.7	54.9	7.05	1,196.6	0.77	21.74	-71.5
G283	5/6/2024	10:38	4.18	12.8	55.0	7.05	1,196.3	0.76	12.78	-71.8
G283	5/6/2024	10:41	4.18	12.8	55.0	7.05	1,197.2	0.74	12.12	-72.2
G283	5/6/2024	10:44	4.18	12.8	55.0	7.05	1,197.2	0.73	8.68	-72.6
G283	5/6/2024	10:47	4.18	12.8	55.0	7.05	1,197.1	0.72	6.43	-72.8
G283	5/6/2024	10:50	4.18	12.8	55.0	7.05	1,197.2	0.70	5.19	-73.1
G283	5/6/2024	10:53	4.18	12.7	54.9	7.05	1,197.4	0.70	4.90	-73.3
G283	5/6/2024	10:56	4.18	12.7	54.9	7.05	1,196.7	0.69	4.92	-73.3
G283	5/6/2024	10:59	4.18	13.1	55.5	7.05	1,192.3	0.69	6.54	-73.6

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G284	5/6/2024	11:18	10.00	12.6	54.6	7.30	660.3	5.33	3.10	41.6
G284	5/6/2024	11:21	10.00	12.6	54.7	7.27	683.1	4.49	2.50	44.1
G284	5/6/2024	11:24	10.00	12.6	54.8	7.25	696.5	3.98	2.28	45.7
G284	5/6/2024	11:27	10.00	12.6	54.8	7.23	703.6	3.64	1.61	47.0
G284	5/6/2024	11:30	10.00	12.6	54.6	7.22	710.4	3.29	0.86	48.4
G284	5/6/2024	11:33	10.00	12.6	54.6	7.20	713.8	3.09	0.72	50.1
G284	5/6/2024	11:36	10.00	12.5	54.5	7.20	717.2	2.89	0.75	52.0

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G285	5/6/2024	12:13	4.80	13.1	55.7	6.70	2,001.4	0.69	8.52	79.5
G285	5/6/2024	12:16	4.80	13.1	55.7	6.70	2,001.0	0.68	8.69	79.4
G285	5/6/2024	12:19	4.80	13.1	55.7	6.70	2,001.4	0.67	9.57	79.2
G285	5/6/2024	12:22	4.80	13.1	55.5	6.70	2,003.8	0.66	7.80	79.1

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301	5/6/2024	10:10	6.18	14.1	57.4	6.32	1,086.9	1.15	4.32	-53.2
G301	5/6/2024	10:13	6.18	14.1	57.3	6.26	1,081.2	0.97	4.69	-49.0
G301	5/6/2024	10:16	6.18	14.1	57.4	6.24	1,076.6	0.86	4.97	-47.2
G301	5/6/2024	10:19	6.18	14.2	57.5	6.24	1,074.9	0.80	4.36	-45.6
G301	5/6/2024	10:22	6.18	14.2	57.6	6.25	1,072.3	0.75	3.81	-43.5
G301	5/6/2024	10:25	6.18	14.2	57.6	6.25	1,071.4	0.71	4.04	-41.4
G301	5/6/2024	10:28	6.18	14.3	57.7	6.26	1,068.7	0.69	3.60	-39.8

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G302	5/6/2024	11:30	5.52	14.1	57.4	6.60	1,588.2	1.73	9.81	-109.8
G302	5/6/2024	11:33	5.52	14.0	57.1	6.55	1,588.1	1.33	6.96	-103.8
G302	5/6/2024	11:36	5.52	13.9	57.1	6.52	1,587.2	1.15	7.33	-97.1
G302	5/6/2024	11:39	5.52	13.9	57.0	6.51	1,585.3	1.02	8.32	-91.5
G302	5/6/2024	11:42	5.52	13.9	57.0	6.50	1,584.9	0.94	9.87	-86.8
G302	5/6/2024	11:45	5.52	13.9	57.0	6.49	1,585.6	0.87	5.16	-83.2
G302	5/6/2024	11:48	5.52	13.8	56.9	6.49	1,584.5	0.92	4.65	-79.3
G302	5/6/2024	11:51	5.52	13.9	57.0	6.49	1,583.2	0.85	2.84	-76.5
G302	5/6/2024	11:54	5.52	13.9	57.0	6.49	1,581.9	0.86	3.24	-73.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G303	5/1/2024	10:31	3.69	14.8	58.6	6.68	1,896.3	1.80	8.35	-28.0
G303	5/1/2024	10:34	3.69	14.4	58.0	6.69	1,868.5	1.74	34.51	-29.6
G303	5/1/2024	10:37	3.69	14.4	57.9	6.68	1,858.6	1.55	78.58	-29.8
G303	5/1/2024	10:40	3.69	14.4	57.9	6.68	1,857.4	1.49	52.98	-29.4
G303	5/1/2024	10:43	3.69	14.4	57.8	6.68	1,854.8	1.35	52.80	-28.8
G303	5/1/2024	10:46	3.69	14.4	57.9	6.68	1,853.5	1.27	35.38	-28.0
G303	5/1/2024	10:49	3.69	14.4	57.8	6.69	1,855.9	1.22	71.31	-27.0

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G305	5/1/2024	14:20	6.04	14.8	58.6	7.16	1,621.4	2.56	9.48	60.4
G305	5/1/2024	14:23	6.04	14.7	58.5	7.14	1,619.6	2.18	9.93	57.8
G305	5/1/2024	14:26	6.04	14.6	58.3	7.13	1,618.2	1.99	27.04	56.7
G305	5/1/2024	14:29	6.04	14.6	58.4	7.12	1,615.8	1.72	28.91	56.4
G305	5/1/2024	14:32	6.04	14.6	58.3	7.11	1,617.5	1.62	97.68	56.3
G305	5/1/2024	14:35	6.04	14.6	58.2	7.10	1,617.3	1.54	7.08	56.0
G305	5/1/2024	14:38	6.04	14.6	58.3	7.10	1,616.5	1.33	20.43	55.8
G305	5/1/2024	14:41	6.04	14.6	58.2	7.09	1,617.6	1.22	11.25	55.6

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G306	5/1/2024	13:23	5.42	13.7	56.7	6.47	685.7	4.96	74.85	70.1
G306	5/1/2024	13:26	5.42	13.7	56.6	6.47	684.4	4.92	70.65	71.4
G306	5/1/2024	13:29	5.42	13.7	56.6	6.47	687.7	4.87	68.56	72.3
G306	5/1/2024	13:32	5.42	13.7	56.7	6.46	685.5	4.93	60.49	73.4
G306	5/1/2024	13:35	5.42	13.7	56.6	6.45	684.3	4.76	51.53	74.3
G306	5/1/2024	13:38	5.42	13.7	56.6	6.44	683.6	4.65	43.51	75.2
G306	5/1/2024	13:41	5.42	13.7	56.6	6.43	682.3	4.54	40.27	76.2
G306	5/1/2024	13:44	5.42	13.7	56.6	6.43	681.5	4.48	38.11	77.0
G306	5/1/2024	13:47	5.42	13.7	56.7	6.42	682.5	4.40	36.14	77.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307	5/2/2024	14:08	0.00	21.3	70.3	7.04	1,117.8	2.56	136.14	-4.8
G307	5/2/2024	14:11	0.00	21.5	70.7	7.04	1,122.3	2.49	128.55	-3.3
G307	5/2/2024	14:14	0.00	21.6	70.8	7.04	1,122.1	2.44	123.17	-1.5
G307	5/2/2024	14:17	0.00	22.0	71.7	7.04	1,120.4	2.36	118.54	-0.1
G307	5/2/2024	14:20	0.00	22.2	72.0	7.03	1,124.4	2.35	108.36	1.4
G307	5/2/2024	14:23	0.00	22.2	71.9	7.04	1,122.6	2.28	98.80	2.9
G307	5/2/2024	14:26	0.00	21.9	71.5	7.04	1,123.4	2.25	89.28	4.4
G307	5/2/2024	14:29	0.00	22.1	71.8	7.03	1,119.8	2.15	85.22	5.6
G307	5/2/2024	14:32	0.00	22.3	72.2	7.03	1,121.1	2.14	75.20	6.5

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307D	5/2/2024	11:23	2.83	15.9	60.7	7.18	1,270.8	1.42	33.69	-53.7
G307D	5/2/2024	11:26	2.83	16.1	60.9	7.20	1,242.9	1.73	27.95	-55.0
G307D	5/2/2024	11:29	2.83	16.1	60.9	7.21	1,216.7	2.37	26.36	-49.9
G307D	5/2/2024	11:32	2.83	16.5	61.7	7.19	1,203.6	2.79	27.97	-43.5
G307D	5/2/2024	11:35	2.83	16.8	62.2	7.18	1,201.0	3.01	30.22	-38.6

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G308	5/2/2024	12:38	4.12	14.1	57.4	7.20	1,697.8	1.06	4.14	63.4
G308	5/2/2024	12:41	4.12	14.2	57.5	7.18	1,698.3	0.92	3.55	61.2
G308	5/2/2024	12:44	4.12	14.1	57.3	7.16	1,700.9	0.84	2.93	59.5
G308	5/2/2024	12:47	4.12	14.0	57.2	7.15	1,698.7	0.78	2.63	58.0
G308	5/2/2024	12:50	4.12	14.0	57.2	7.14	1,697.1	0.74	2.36	56.8
G308	5/2/2024	12:53	4.12	14.1	57.3	7.14	1,694.9	0.71	2.40	55.6

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G310	5/3/2024	9:34	7.23	13.3	56.0	6.79	1,202.0	1.27	4.29	31.3
G310	5/3/2024	9:37	7.23	13.3	55.9	6.76	1,198.4	1.04	3.98	30.6
G310	5/3/2024	9:40	7.23	13.3	55.9	6.74	1,197.2	0.92	3.63	30.4
G310	5/3/2024	9:43	7.23	13.3	55.9	6.74	1,196.5	0.84	3.14	30.6
G310	5/3/2024	9:46	7.23	13.3	55.9	6.74	1,196.5	0.79	2.42	30.8
G310	5/3/2024	9:49	7.23	13.3	55.9	6.74	1,196.0	0.75	2.23	31.1
G310	5/3/2024	9:52	7.23	13.3	55.9	6.74	1,197.2	0.71	2.19	31.5
G310	5/3/2024	9:55	7.23	13.4	56.0	6.74	1,197.6	0.69	2.02	31.8

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G312	5/6/2024	12:56	10.18	13.8	56.9	6.13	1,816.5	1.19	2.73	22.0
G312	5/6/2024	12:59	10.18	13.7	56.7	6.13	1,881.6	1.07	4.66	19.5
G312	5/6/2024	13:02	10.18	13.7	56.7	6.14	1,941.6	0.98	2.57	18.6
G312	5/6/2024	13:05	10.18	13.7	56.6	6.14	1,990.6	0.92	2.14	18.9
G312	5/6/2024	13:08	10.18	13.6	56.5	6.15	2,030.0	0.88	2.81	21.3
G312	5/6/2024	13:11	10.18	13.6	56.5	6.15	2,072.3	0.83	4.80	24.1
G312	5/6/2024	13:14	10.18	13.7	56.6	6.15	2,094.7	0.80	13.46	26.7
G312	5/6/2024	13:17	10.18	13.7	56.6	6.15	2,113.1	0.78	11.32	28.9
G312	5/6/2024	13:20	10.18	13.7	56.7	6.15	2,125.4	0.75	4.91	30.8
G312	5/6/2024	13:23	10.18	13.7	56.7	6.15	2,137.5	0.73	3.08	32.4
G312	5/6/2024	13:26	10.18	13.8	56.8	6.16	2,149.1	0.71	4.09	33.9
G312	5/6/2024	13:29	10.18	13.8	56.8	6.16	2,159.1	0.69	3.61	35.2

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G313	5/1/2024	11:58	3.01	14.2	57.6	6.82	1,715.6	1.09	12.19	59.1
G313	5/1/2024	12:01	3.01	14.3	57.7	6.81	1,715.3	0.93	16.53	56.8
G313	5/1/2024	12:04	3.01	14.2	57.6	6.81	1,720.3	0.83	16.15	55.0
G313	5/1/2024	12:07	3.01	14.1	57.4	6.81	1,721.8	0.77	20.52	53.3
G313	5/1/2024	12:10	3.01	14.1	57.4	6.81	1,720.8	0.72	25.27	52.0
G313	5/1/2024	12:13	3.01	14.1	57.3	6.81	1,720.9	0.69	31.82	51.2

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314	4/30/2024	13:49	5.48	13.7	56.6	6.59	3,492.4	0.92	20.65	-6.7
G314	4/30/2024	13:52	5.48	13.7	56.7	6.58	3,496.5	0.82	34.63	-5.7
G314	4/30/2024	13:55	5.48	13.6	56.6	6.58	3,488.8	0.76	88.76	-5.1
G314	4/30/2024	13:58	5.48	13.8	56.8	6.57	3,495.2	0.72	164.74	-5.2
G314	4/30/2024	14:01	5.48	13.7	56.7	6.57	3,499.7	0.68	184.89	-5.3
G314	4/30/2024	14:04	5.48	13.6	56.5	6.57	3,498.2	0.66	212.75	-5.4
G314	4/30/2024	14:07	5.48	13.8	56.8	6.57	3,494.3	0.64	6.57	-5.7
G314	4/30/2024	14:10	5.48	13.8	56.8	6.56	3,493.0	0.62	11.74	-5.9
G314	4/30/2024	14:13	5.48	13.7	56.6	6.56	3,483.8	0.61	16.21	-6.3

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314D	4/30/2024	12:52	5.82	14.6	58.3	6.80	2,745.8	0.63	63.32	-52.4
G314D	4/30/2024	12:55	5.82	14.6	58.3	6.83	2,736.1	0.61	91.69	-49.8
G314D	4/30/2024	12:58	5.82	14.5	58.0	6.89	2,724.1	0.59	127.11	-46.8
G314D	4/30/2024	13:01	5.82	14.6	58.3	6.93	2,718.2	0.58	176.12	-43.4
G314D	4/30/2024	13:04	5.82	14.6	58.4	6.95	2,720.7	0.57	177.93	-40.0
G314D	4/30/2024	13:07	5.82	14.6	58.4	6.96	2,722.4	0.56	178.65	-36.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G315	5/2/2024	10:16	2.34	14.4	57.9	6.81	1,178.6	1.16	3.06	10.1
G315	5/2/2024	10:19	2.34	14.3	57.7	6.80	1,175.5	1.04	2.83	11.0
G315	5/2/2024	10:22	2.34	14.3	57.8	6.78	1,173.6	0.95	2.54	11.8
G315	5/2/2024	10:25	2.34	14.3	57.8	6.78	1,173.4	0.88	2.16	12.7
G315	5/2/2024	10:28	2.34	14.3	57.7	6.78	1,172.2	0.84	2.10	13.8
G315	5/2/2024	10:31	2.34	14.3	57.7	6.77	1,170.1	0.80	1.96	14.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G316	4/30/2024	11:32	10.95	12.3	54.1	6.84	1,861.9	1.16	11.74	-55.8
G316	4/30/2024	11:35	10.95	12.3	54.1	6.82	1,884.0	0.98	10.59	-63.8
G316	4/30/2024	11:38	10.95	12.3	54.1	6.81	1,896.4	0.88	11.06	-69.0
G316	4/30/2024	11:41	10.95	12.4	54.3	6.81	1,893.4	0.81	10.20	-72.8
G316	4/30/2024	11:44	10.95	12.4	54.3	6.82	1,894.4	0.76	9.51	-75.6
G316	4/30/2024	11:47	10.95	12.4	54.3	6.82	1,895.2	0.73	9.20	-78.1
G316	4/30/2024	11:50	10.95	12.4	54.3	6.82	1,897.8	0.69	8.73	-79.7
G316	4/30/2024	11:53	10.95	12.4	54.2	6.83	1,901.0	0.67	8.39	-81.3
G316	4/30/2024	11:56	10.95	12.4	54.4	6.83	1,896.2	0.65	7.79	-82.3

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G401	5/2/2024	13:48	20.94	17.2	63.0	5.99	1,446.5	1.82	99.02	90.3
G401	5/2/2024	13:57	20.94	17.0	62.5	5.93	1,260.2	1.34	8.90	104.2
G401	5/2/2024	14:00	20.94	16.9	62.5	5.91	1,303.5	1.23	6.26	92.5
G401	5/2/2024	14:03	20.94	17.3	63.2	5.90	1,341.0	1.16	4.91	81.9
G401	5/2/2024	14:06	20.94	17.8	64.0	5.89	1,395.7	1.11	4.24	71.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G402	5/6/2024	11:42	8.74	14.1	57.3	6.97	1,662.4	6.82	15.00	108.5
G402	5/6/2024	11:45	8.74	14.1	57.3	6.98	1,663.0	7.04	16.34	109.0
G402	5/6/2024	11:48	8.74	14.0	57.3	6.99	1,663.6	7.17	17.13	109.4
G402	5/6/2024	11:51	8.74	14.0	57.2	7.00	1,665.3	7.37	24.94	109.9
G402	5/6/2024	11:54	8.74	14.0	57.2	7.01	1,665.3	7.61	25.24	110.2
G402	5/6/2024	11:57	8.74	14.0	57.2	7.01	1,665.8	7.54	29.75	110.9
G402	5/6/2024	12:00	8.74	14.0	57.2	7.02	1,666.7	7.65	38.01	111.3

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G403	5/6/2024	10:19	6.26	14.4	57.8	6.86	716.4	0.68	7.82	82.2
G403	5/6/2024	10:22	6.26	14.4	57.9	6.85	717.0	0.41	6.17	76.5
G403	5/6/2024	10:25	6.26	14.4	57.9	6.85	716.2	0.34	5.65	73.0
G403	5/6/2024	10:28	6.26	14.5	58.1	6.85	716.9	0.30	6.25	70.2

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G404	5/6/2024	12:35	3.80	13.7	56.6	6.83	1,391.1	0.71	2.98	102.1
G404	5/6/2024	12:38	3.80	14.0	57.2	6.86	1,171.4	1.04	3.65	94.4
G404	5/6/2024	12:41	3.80	14.0	57.2	6.85	1,148.8	1.03	2.89	91.0
G404	5/6/2024	12:44	3.80	13.9	57.1	6.84	1,150.3	1.09	3.05	88.6

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G405	5/6/2024	13:04	6.05	13.9	57.1	7.04	1,606.2	1.59	10.61	77.9
G405	5/6/2024	13:07	6.05	14.0	57.3	6.96	1,828.7	0.84	7.71	68.8
G405	5/6/2024	13:10	6.05	14.1	57.4	6.95	1,854.7	0.64	7.49	63.0
G405	5/6/2024	13:13	6.05	14.0	57.3	6.96	1,818.5	0.71	8.10	59.3

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G406	5/6/2024	10:53	10.24	15.0	58.9	6.67	1,387.6	1.07	2.49	102.1
G406	5/6/2024	10:56	10.24	14.9	58.8	6.65	1,385.1	0.75	2.35	101.5
G406	5/6/2024	10:59	10.24	14.9	58.8	6.65	1,386.0	0.55	2.28	100.5
G406	5/6/2024	11:02	10.24	14.9	58.8	6.65	1,380.5	0.45	2.12	100.0
G406	5/6/2024	11:05	10.24	14.9	58.8	6.65	1,371.7	0.36	1.36	99.9

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G407	4/29/2024	14:25	4.27	14.3	57.7	6.61	2,200.6	1.28	42.72	100.7
G407	4/29/2024	14:28	4.27	14.2	57.6	6.64	2,125.0	1.44	59.54	99.6
G407	4/29/2024	14:31	4.27	14.2	57.5	6.67	2,097.6	1.69	66.85	99.1
G407	4/29/2024	14:34	4.27	14.5	58.1	6.67	2,101.2	1.75	71.68	98.6
G407	4/29/2024	14:37	4.27	14.5	58.2	6.67	2,116.1	1.75	86.10	98.2
G407	4/29/2024	14:40	4.27	14.6	58.3	6.67	2,139.2	1.72	42.10	97.9
G407	4/29/2024	14:43	4.27	14.7	58.4	6.67	2,165.6	1.66	44.51	97.7
G407	4/29/2024	14:46	4.27	14.8	58.6	6.66	2,186.8	1.60	42.77	97.6
G407	4/29/2024	14:49	4.27	14.8	58.7	6.66	2,202.7	1.54	54.10	97.4
G407	4/29/2024	14:52	4.27	14.8	58.7	6.65	2,211.6	1.48	71.17	97.4

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G410	4/30/2024	10:18	6.21	12.9	55.2	6.16	1,017.8	1.26	2.74	46.3
G410	4/30/2024	10:21	6.21	12.9	55.3	6.16	1,029.7	1.08	2.06	44.8
G410	4/30/2024	10:24	6.21	12.9	55.2	6.16	1,036.4	0.97	1.85	43.5
G410	4/30/2024	10:27	6.21	12.9	55.2	6.18	1,038.6	0.89	1.71	41.8
G410	4/30/2024	10:30	6.21	12.9	55.2	6.20	1,043.1	0.84	1.66	39.7
G410	4/30/2024	10:33	6.21	12.9	55.3	6.21	1,045.9	0.80	1.61	38.8
G410	4/30/2024	10:36	6.21	12.9	55.1	6.21	1,045.7	0.77	1.54	38.0

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G411	4/29/2024	12:59	4.33	13.2	55.8	7.04	861.1	0.98	5.53	107.4
G411	4/29/2024	13:02	4.33	13.2	55.8	7.04	862.8	0.91	8.27	105.8
G411	4/29/2024	13:05	4.33	13.2	55.8	7.04	865.4	0.86	10.05	104.6
G411	4/29/2024	13:08	4.33	13.2	55.7	7.04	865.8	0.82	14.01	103.6
G411	4/29/2024	13:11	4.33	13.2	55.8	7.04	866.1	0.79	16.20	102.6

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L202	5/8/2024	11:11	-	20.5	68.9	11.87	13,935.1	5.12	5.92	-43.3

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
NE Riser	4/29/2024	13:04	1.05	DTW Only						

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R104	5/2/2024	12:51	6.85	16.9	62.4	7.47	784.4	4.55	4.41	91.1
R104	5/2/2024	12:54	6.85	17.1	62.8	7.47	786.6	4.55	4.31	92.1
R104	5/2/2024	12:57	6.85	17.4	63.2	7.47	789.5	4.58	4.26	93.0
R104	5/2/2024	13:00	6.85	17.4	63.4	7.47	789.0	4.55	4.01	93.6

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201	5/7/2024	12:34	2.59	16.4	61.5	7.03	986.3	2.48	9.71	-4.5
R201	5/7/2024	12:37	2.59	16.2	61.1	7.03	985.8	2.32	7.97	-9.7
R201	5/7/2024	12:40	2.59	16.1	61.0	7.03	985.7	2.16	6.75	-10.5
R201	5/7/2024	12:43	2.59	16.2	61.2	7.03	986.0	2.05	6.83	-14.0

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R205	5/7/2024	13:34	4.29	16.3	61.3	6.75	1,314.1	2.85	9.15	89.6
R205	5/7/2024	13:37	4.29	15.8	60.5	6.75	1,310.0	2.66	5.26	86.9
R205	5/7/2024	13:40	4.29	15.7	60.3	6.75	1,308.0	2.52	4.18	86.6
R205	5/7/2024	13:43	4.29	15.2	59.4	6.75	1,298.5	2.29	9.63	85.1
R205	5/7/2024	13:46	4.29	15.2	59.3	6.75	1,296.9	2.11	7.63	84.6

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-02	4/29/2024	15:29	6.68	DTW Only						

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-03	4/29/2024	10:27	7.94	DTW Only						

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T127	5/6/2024	14:48	13.81	15.1	59.3	7.03	719.4	2.61	82.03	53.1
T127	5/6/2024	14:51	13.81	15.1	59.2	7.02	718.8	2.45	61.90	51.6
T127	5/6/2024	14:54	13.81	15.1	59.1	7.01	718.2	2.31	52.98	50.7
T127	5/6/2024	14:57	13.81	15.0	58.9	7.00	717.7	2.23	37.86	50.0
T127	5/6/2024	15:00	13.81	15.0	59.0	7.00	716.9	2.17	33.99	49.2
T127	5/6/2024	15:03	13.81	14.9	58.9	6.99	716.5	2.13	30.87	48.7
T127	5/6/2024	15:06	13.81	14.8	58.7	6.98	716.5	2.01	25.01	48.2

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T128	5/1/2024	11:13	13.83	15.1	59.2	7.21	748.2	3.78	9.90	92.7
T128	5/1/2024	11:16	13.83	15.1	59.2	7.20	748.4	3.61	8.57	93.0
T128	5/1/2024	11:19	13.83	15.2	59.4	7.19	747.9	3.39	7.83	93.4
T128	5/1/2024	11:22	13.83	15.2	59.4	7.18	747.8	3.14	7.21	93.3
T128	5/1/2024	11:25	13.83	15.3	59.6	7.17	747.0	2.94	6.25	93.1
T128	5/1/2024	11:28	13.83	15.2	59.4	7.17	746.5	2.81	5.67	92.9
T128	5/1/2024	11:31	13.83	15.1	59.3	7.16	745.8	2.69	4.88	92.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
X201	5/7/2024	13:25	-	24.5	76.1	5.93	20,857.6	8.28	4.73	158.9

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01	5/7/2024	13:43	4.63	17.5	63.5	7.75	1,274.3	1.15	24.93	-80.4
XPW01	5/7/2024	13:46	4.63	17.6	63.7	7.78	1,282.4	0.94	16.72	-103.1
XPW01	5/7/2024	13:49	4.63	17.5	63.5	7.79	1,281.1	0.82	12.01	-111.7
XPW01	5/7/2024	13:52	4.63	17.5	63.6	7.79	1,281.0	0.72	9.81	-118.1
XPW01	5/7/2024	13:55	4.63	16.7	62.1	7.80	1,284.1	0.62	8.23	-121.6

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW02	5/8/2024	10:28	9.87	16.9	62.4	7.74	826.6	0.87	12.50	-191.7
XPW02	5/8/2024	10:31	9.87	16.8	62.3	7.69	832.4	0.77	17.33	-201.3
XPW02	5/8/2024	10:34	9.87	16.8	62.2	7.69	831.2	0.72	18.15	-204.7
XPW02	5/8/2024	10:37	9.87	16.7	62.1	7.69	832.2	0.68	15.38	-206.8
XPW02	5/8/2024	10:40	9.87	16.8	62.2	7.69	835.2	0.65	7.39	-207.3
XPW02	5/8/2024	10:43	9.87	16.7	62.1	7.69	834.7	0.63	4.99	-208.1
XPW02	5/8/2024	10:46	9.87	16.7	62.1	7.69	838.5	0.62	2.25	-209.2
XPW02	5/8/2024	10:49	9.87	16.7	62.0	7.69	839.6	0.61	4.12	-209.3

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	4/29/2024	11:10	7.94	DTW Only						

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	5/8/2024	11:21	QA/QC Sample							

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102 Duplicate	5/2/2024	10:45	4.33	14.4	58.0	7.29	541.8	3.49	8.29	81.3
G102 Duplicate	5/2/2024	10:48	4.33	14.3	57.7	7.28	533.9	3.41	8.00	78.9
G102 Duplicate	5/2/2024	10:51	4.33	14.3	57.8	7.28	539.0	3.25	12.29	78.0
G102 Duplicate	5/2/2024	10:54	4.33	14.2	57.6	7.29	544.0	3.10	15.69	77.7
G102 Duplicate	5/2/2024	10:57	4.33	14.2	57.5	7.28	548.5	3.03	11.60	77.9
G102 Duplicate	5/2/2024	11:00	4.33	14.1	57.4	7.29	553.4	2.96	9.57	78.3
G102 Duplicate	5/2/2024	11:03	4.33	14.1	57.4	7.29	558.1	2.89	11.75	78.8

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200 Duplicate	5/7/2024	12:29	2.90	16.6	61.9	7.20	848.9	0.91	20.80	29.5
G200 Duplicate	5/7/2024	12:32	2.90	16.7	62.1	7.19	847.2	0.55	30.37	24.3
G200 Duplicate	5/7/2024	12:35	2.90	16.5	61.7	7.19	846.9	0.41	84.52	20.5
G200 Duplicate	5/7/2024	12:38	2.90	16.7	62.0	7.18	849.0	0.31	86.74	17.6
G200 Duplicate	5/7/2024	12:41	2.90	16.6	62.0	7.19	849.0	0.25	74.88	14.2
G200 Duplicate	5/7/2024	12:44	2.90	16.8	62.2	7.19	848.9	0.20	63.14	11.6
G200 Duplicate	5/7/2024	12:47	2.90	17.1	62.8	7.19	849.3	0.17	57.50	11.4
G200 Duplicate	5/7/2024	12:50	2.90	17.0	62.6	7.19	849.2	0.15	58.08	8.3
G200 Duplicate	5/7/2024	12:53	2.90	17.3	63.1	7.19	849.7	0.13	53.10	6.4

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217 Duplicate	5/2/2024	12:24	13.75	15.6	60.0	6.89	1,552.2	0.85	78.38	10.9
G217 Duplicate	5/2/2024	12:27	13.75	15.5	59.9	6.89	1,555.1	0.83	92.93	11.2
G217 Duplicate	5/2/2024	12:30	13.75	15.4	59.8	6.88	1,558.7	0.82	6.39	11.5
G217 Duplicate	5/2/2024	12:33	13.75	15.5	59.9	6.88	1,557.9	0.80	10.99	11.7
G217 Duplicate	5/2/2024	12:36	13.75	15.5	59.8	6.88	1,560.8	0.78	4.73	12.3
G217 Duplicate	5/2/2024	12:39	13.75	15.6	60.1	6.88	1,560.0	0.76	4.53	12.7

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301 Duplicate	5/6/2024	10:10	6.18	14.1	57.4	6.32	1,086.9	1.15	4.32	-53.2
G301 Duplicate	5/6/2024	10:13	6.18	14.1	57.3	6.26	1,081.2	0.97	4.69	-49.0
G301 Duplicate	5/6/2024	10:16	6.18	14.1	57.4	6.24	1,076.6	0.86	4.97	-47.2
G301 Duplicate	5/6/2024	10:19	6.18	14.2	57.5	6.24	1,074.9	0.80	4.36	-45.6
G301 Duplicate	5/6/2024	10:22	6.18	14.2	57.6	6.25	1,072.3	0.75	3.81	-43.5
G301 Duplicate	5/6/2024	10:25	6.18	14.2	57.6	6.25	1,071.4	0.71	4.04	-41.4
G301 Duplicate	5/6/2024	10:28	6.18	14.3	57.7	6.26	1,068.7	0.69	3.60	-39.8

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201 Duplicate	5/7/2024	12:34	2.59	16.4	61.5	7.03	986.3	2.48	9.71	-4.5
R201 Duplicate	5/7/2024	12:37	2.59	16.2	61.1	7.03	985.8	2.32	7.97	-9.7
R201 Duplicate	5/7/2024	12:40	2.59	16.1	61.0	7.03	985.7	2.16	6.75	-10.5
R201 Duplicate	5/7/2024	12:43	2.59	16.2	61.2	7.03	986.0	2.05	6.83	-14.0

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	5/8/2024	11:35	QA/QC Sample							

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G219	5/7/2024	10:46	6.45	14.8	58.6	7.22	878.3	2.39	24.36	-21.7
G219	5/7/2024	10:49	6.45	15.2	59.3	7.19	872.4	1.79	31.03	-30.8
G219	5/7/2024	10:52	6.45	15.8	60.4	7.18	874.4	1.67	35.97	-39.3
G219	5/7/2024	10:55	6.45	14.3	57.7	7.18	869.9	1.33	34.62	-47.1
G219	5/7/2024	10:58	6.45	14.3	57.7	7.17	868.1	1.01	26.45	-50.5
G219	5/7/2024	11:01	6.45	14.3	57.8	7.17	867.6	0.82	24.72	-52.7
G219	5/7/2024	11:04	6.45	13.7	56.7	7.17	866.9	0.67	24.92	-54.4
G219	5/7/2024	11:07	6.45	13.9	57.0	7.17	866.7	0.56	25.18	-56.4
G219	5/7/2024	11:10	6.45	13.9	56.9	7.17	866.6	0.45	26.09	-58.1

Site Samping Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters
Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G220	5/7/2024	11:47	12.10	16.2	61.2	6.89	1,271.8	2.17	24.68	38.5
G220	5/7/2024	11:50	12.10	16.0	60.8	6.89	1,269.8	1.87	25.70	38.1
G220	5/7/2024	11:53	12.10	15.5	60.0	6.88	1,267.7	1.58	28.08	35.8
G220	5/7/2024	11:56	12.10	15.6	60.1	6.89	1,267.0	1.30	30.77	33.0
G220	5/7/2024	11:59	12.10	15.8	60.4	6.88	1,264.0	1.05	29.44	30.6
G220	5/7/2024	12:02	12.10	15.3	59.5	6.89	1,266.3	0.87	20.10	25.6
G220	5/7/2024	12:05	12.10	15.4	59.7	6.88	1,266.1	0.74	22.71	22.2
G220	5/7/2024	12:08	12.10	15.4	59.8	6.89	1,265.9	0.64	24.62	20.7

Site Samping Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

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 218083 Technician(s): justin colp Date: 4/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	4/30/24 8:54
7.0 Buffer	wc240307f	7.01	4/30/24 8:50
10.0 Buffer	wc231027d	9.99	4/30/24 8:59
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1415	4/30/24 9:04

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.82	4/30/24 9:04
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/30/24 9:08	17.9	7.01	1,415	1.82		
CCV-1	CCV	4/30/24 14:52	18.8	7.03	1,423	1.84		

Comments:

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.99	5/1/24 9:05
7.0 Buffer	wc240307f	7.00	5/1/24 9:00
10.0 Buffer	wc231027d	10.00	5/1/24 9:10
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1418	5/1/24 9:16

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.78	5/1/24 9:16
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	5/1/24 9:18	20.4	7.00	1,418	1.78		
CCV-M-2	CCV	5/1/24 12:25	20.9	7.02	1,421	1.77		
CCV-2	CCV	5/1/24 14:54	21.7	7.03	1,427	1.8		

Comments:

Site Samping Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

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 218083 Technician(s): justin colp Date: 5/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	5/2/24 9:12
7.0 Buffer	wc240307f	7.02	5/2/24 8:55
10.0 Buffer	wc231027d	10.00	5/2/24 9:12
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1414	5/2/24 9:14

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.91	5/2/24 9:18
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	5/2/24 9:18	21.1	7.02	1,414	0.91		
CCV-M-3	CCV	5/2/24 12:30	21.4	7.03	1,415	0.91		
CCV-3	CCV	5/2/24 14:59	22.8	7.03	1,420	0.9		

Comments:

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	5/3/24 8:53
7.0 Buffer	wc240307f	7.01	5/3/24 8:47
10.0 Buffer	wc231027d	10.01	5/3/24 8:56
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	5/3/24 9:00

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.91	5/3/24 9:00
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	5/3/24 9:04	20.7	7.01	1,413	0.91		
CCV-4	CCV	5/3/24 10:31	21.1	7.02	1,414	0.93		

Comments:

Site Samping Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

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 218083 Technician(s): justin colp Date: 5/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	5/6/24 10:01
7.0 Buffer	wc240307f	7.00	5/6/24 9:42
10.0 Buffer	wc231027d	9.99	5/6/24 10:02
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	5/6/24 10:06

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.92	5/6/24 10:07
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	5/6/24 10:07	20.1	7.00	1,413	0.92		
CCV-5	CCV	5/6/24 14:50	22.9	7.03	1,422	1.28		

Comments:

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	5/7/24 9:04
7.0 Buffer	wc240307f	7.01	5/7/24 8:58
10.0 Buffer	wc231027d	10.00	5/7/24 9:07
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1416	5/7/24 9:11

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.2	5/7/24 9:11
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	5/7/24 9:13	21.2	7.01	1,416	1.2		
CCV-6	CCV	5/7/24 14:17	22.9	7.03	1,431	0.98		

Comments:

Site Samping Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

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 218083 Technician(s): justin colp Date: 5/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	5/8/24 8:48
7.0 Buffer	wc240307f	7.02	5/8/24 8:42
10.0 Buffer	wc231027d	10.00	5/8/24 8:53
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1411	5/8/24 8:56

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.87	5/8/24 8:57
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-7	LCS	5/8/24 9:00	18.9	7.02	1,411	0.87		
CCV-7	CCV	5/8/24 10:59	21.4	7.04	1,426	0.93		

Comments:

Site Samping Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

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 45986 Technician(s): Tracy Carroll Date: 4/29/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	4/29/24 10:45
7.0 Buffer	WC240307F	7.02	4/29/24 10:42
10.0 Buffer	WC230619B	10.00	4/29/24 10:48
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/29/24 10:51

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.23	4/29/24 10:53
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/29/24 10:55	20.2	7.01	1,413	0.26		
CCV-1	CCV	4/29/24 14:15	21.3	7.01	1,438	0.58		

Comments:

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 4/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	4/30/24 9:11
7.0 Buffer	WC240307F	7.03	4/30/24 9:08
10.0 Buffer	WC230619B	9.98	4/30/24 9:14
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/30/24 9:17

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.45	4/30/24 9:20
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	4/30/24 9:25	19.5	7.01	1,410	1.45		
CCV-M-2	CCV	4/30/24 11:47	19.7	7.01	1,414	1.08		
CCV-2	CCV	4/30/24 14:43	25.2	7.03	1,473	1.63		

Comments:

Site Samping Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

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 45986 Technician(s): Tracy Carroll Date: 5/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/1/24 9:23
7.0 Buffer	WC240307F	7.01	5/1/24 9:20
10.0 Buffer	WC230619B	10.02	5/1/24 9:26
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/1/24 9:29

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.81	5/1/24 9:32
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	5/1/24 9:29	22.9	7.10	1,412	1.81		
CCV-M-3	CCV	5/1/24 12:22	23.1	7.06	1,422	1.64		
CCV-3	CCV	5/1/24 15:02	23.9	7.08	1,458	1.55		

Comments:

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/2/24 9:20
7.0 Buffer	WC240307F	7.01	5/2/24 9:17
10.0 Buffer	WC230619B	10.00	5/2/24 9:23
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/2/24 9:27

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.02	5/2/24 9:31
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	5/2/24 9:33	21..4	7.06	1,413	1.02		
CCV-M-4	CCV	5/2/24 12:02	21.6	7.07	1,414	1.1		
CCV-4	CCV	5/2/24 14:58	23.8	7.08	1,422	1.33		

Comments:

Site Samping Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

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 45986 Technician(s): Tracy Carroll Date: 5/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/3/24 8:56
7.0 Buffer	WC240307F	7.02	5/3/24 8:53
10.0 Buffer	WC230619B	10.00	5/3/24 8:59
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/3/24 9:02

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.23	5/3/24 9:05
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	5/3/24 9:07	20.5	7.01	1,410	1.23		
CCV-5	CCV	5/3/24 10:43	21.4	6.99	1,436	1.73		

Comments:

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/6/24 9:10
7.0 Buffer	WC240307F	7.02	5/6/24 9:05
10.0 Buffer	WC230619B	10.00	5/6/24 9:13
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/6/24 9:23

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.87	5/6/24 8:58
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	5/6/24 9:33	20.1	7.07	1,412	1.86		
CCV-M-6	CCV	5/6/24 12:31	20.4	7.04	1,420	1.56		
CCV-6	CCV	5/6/24 16:30	21.6	7.02	1,456	1.55		

Comments: CCV time is 1630

Site Samping Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

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 45986 Technician(s): Tracy Carroll Date: 5/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/7/24 9:16
7.0 Buffer	WC240307F	7.01	5/7/24 9:09
10.0 Buffer	WC230619B	10.00	5/7/24 9:20
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/7/24 9:25

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.22	5/7/24 9:17
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-7	LCS	5/7/24 9:25	23.5	7.05	1,413	1.23		
CCV-7	CCV	5/7/24 14:31	24.2	7.06	1,456	1.58		

Comments:

Site Samping Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

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 26559 Technician(s): Brett Gillihan Date: 4/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.03	4/30/24 8:55
7.0 Buffer	WC240307F	7.01	4/30/24 9:00
10.0 Buffer	WC230619B	10.01	4/30/24 9:05
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/30/24 9:05

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.52	4/30/24 9:08
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/30/24 9:14	20	7.00	1,412	1.52		
CCV-1	CCV	4/30/24 14:52	24	7.20	1,410	1.54		

Comments:

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/1/24 8:39
7.0 Buffer	WC240307F	7.01	5/1/24 8:45
10.0 Buffer	WC230619B	10.00	5/1/24 8:51
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1411	5/1/24 8:54

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.51	5/1/24 8:58
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	5/1/24 9:03	21.2	7.01	1,412	1.51		
CCV-M-2	CCV	5/1/24 12:11	22	7.00	1,413	1.5		
CCV-2	CCV	5/1/24 14:57	23.6	7.00	1,412	1.59		

Comments:

Site Samping Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

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 26559 Technician(s): Brett Gillihan Date: 5/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/2/24 8:40
7.0 Buffer	WC240307F	7.03	5/2/24 8:47
10.0 Buffer	WC230619B	10.00	5/2/24 8:55
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/2/24 8:59

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.58	5/2/24 9:01
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	5/2/24 9:08	19.78	7.01	1,412	1.68		
CCV-M-3	CCV	5/2/24 11:39	21.6	7.01	1,412	1.34		
CCV-3	CCV	5/2/24 15:00	23.2	7.00	1,412	1.44		

Comments:

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/3/24 8:50
7.0 Buffer	WC240307F	7.03	5/3/24 8:56
10.0 Buffer	WC230619B	10.00	5/3/24 8:59
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/3/24 9:03

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.4	5/3/24 9:09
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	5/3/24 9:09	19.04	7.00	1,412	1.41		
CCV-4	CCV	5/3/24 10:34	19	7.02	1,413	1.63		

Comments:

Site Samping Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

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 26559 Technician(s): Brett Gillihan Date: 5/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.02	5/6/24 9:46
7.0 Buffer	WC240307F	7.00	5/6/24 9:50
10.0 Buffer	WC230619B	10.01	5/6/24 10:04
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	5/6/24 10:06

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	5/6/24 10:07
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	5/6/24 10:09	19.21	7.01	1,413	1.6		
CCV-5	CCV	5/6/24 15:34	23.61	7.02	1,414	1.71		

Comments:

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/7/24 8:47
7.0 Buffer	WC240307F	7.01	5/7/24 8:58
10.0 Buffer	WC230619B	10.03	5/7/24 9:12
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/7/24 9:14

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	5/7/24 9:23
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	5/7/24 9:29	18.8	7.01	1,412	1.5		
CCV-M-6	CCV	5/7/24 12:11	20.1	7.02	1,413	1.44		
CCV-6	CCV	5/7/24 15:32	21.2	7.00	1,414	1.4		

Comments:

Site Samping Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

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 26559 Technician(s): Brett Gillihan Date: 5/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.03	5/8/24 8:36
7.0 Buffer	WC240307F	7.01	5/8/24 8:41
10.0 Buffer	WC230619B	10.02	5/8/24 8:46
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/8/24 8:50

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.11	5/8/24 8:55
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-7	LCS	5/8/24 8:59	20.1	7.02	1,412	1.08		
CCV-7	CCV	5/8/24 11:09	20.9	7.04	1,413	1.21		

Comments:

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 43197
Description YSI ProDSS Display
Calibrated 4/26/2024 6:27:15PM

Manufacturer YSI
Model Number ProDSS
Serial Number/ Lot Number 18E105408
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name Functional / Datalogging Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date / Last Cal Date/ Expiration Date Opened Date

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 26599
Description YSI ProDSS
Calibrated 4/26/2024 6:29:23PM

Manufacturer YSI
Model Number ProDSS
Serial Number/ Lot Number 15H101893
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.37	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.41	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.22	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.31	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.85	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.494	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	225.8	240.0	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 43907
Description YSI ProDSS
Calibrated 4/25/2024 3:34:30PM

Manufacturer	YSI	**State Certified**	
Model Number	PRO DSS	**Status**	Pass
Serial Number/ Lot Number	18J103033	**Temp °C**	22.2
Location	St. Louis	**Humidity %**	43
Department			

Calibration Specifications

Group # 1
Group Name Function Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Next Cal Date / Last Cal Date/ Expiration Date Opened Date

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45986
Description YSI Pro DSS
Calibrated 4/25/2024 3:36:31PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101800
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.71	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.83	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.49	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	2.33	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	98.92	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.550	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	200.30	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218050
Description YSI Pro DSS Display
Calibrated 4/26/2024 6:24:40PM

Manufacturer YSI
Model Number YSI Pro Dss
Serial Number/ Lot Number 23E101406
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name Instrument Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	(As Of Cal Entry Date) Last Cal Date/ Opened Date	Next Cal Date / Expiration Date

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 4/26/2024 6:26:38PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102674
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.34	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.36	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.27	10.05	0.50%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	FNU	0.00	FNU	0.44	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	115.85	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.510	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	223.10	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

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

September 13, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: COF-24Q3 **WorkOrder:** 24071451

Dear Eric Bauer:

TEKLAB, INC received 16 samples for COF_257_102 on 8/7/2024 5:27:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

This reporting package includes the following:

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Definitions

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Definitions

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: COF-24Q3

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

Cooler Receipt Temp: 5.9 °C

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

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

G1003 could not be collected; the well was dry. Equipment Blank 1 was not needed. EAH 8/12/24

Per Eric Bauer's request, only COF_257_102 data is included in this report. EAH 9/13/24

Locations

Collinsville

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

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:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Laboratory Results

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

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-001 **Client Sample ID:** AP2D

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**20.80**	ft	1	08/07/2024 9:40	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**170**	NTU	1	08/07/2024 9:40	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-29**	mV	1	08/07/2024 9:40	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1500**	µS/cm	1	08/07/2024 9:40	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.5**	°C	1	08/07/2024 9:40	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.90**	mg/L	1	08/07/2024 9:40	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		**6.72**		1	08/07/2024 9:40	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**87**	mg/L	1	08/09/2024 11:09	R351503
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/09/2024 11:09	R351503
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50	H	**1960**	mg/L	2.5	08/15/2024 12:35	R351887
Sample analysis did not meet hold time requirements.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**1150**	mg/L	50	08/12/2024 12:13	R351588
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**3**	mg/L	1	08/14/2024 1:11	R351708
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**369**	mg/L	1	08/12/2024 12:51	226877
Magnesium	NELAP	0.006	0.050		**50.7**	mg/L	1	08/12/2024 12:51	226877
Potassium	NELAP	0.400	1.00		**42.5**	mg/L	10	08/12/2024 13:30	226877
Sodium	NELAP	0.018	0.050		**43.9**	mg/L	1	08/12/2024 12:51	226877
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Cobalt	NELAP	0.1	1.0		**7.4**	µg/L	5	08/12/2024 18:09	226877

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-002 **Client Sample ID:** G1001

Matrix: GROUNDWATER **Collection Date:** 08/02/2024 10:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.08**	ft	1	08/02/2024 10:26	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**3.5**	NTU	1	08/02/2024 10:26	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-20**	mV	1	08/02/2024 10:26	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1080**	µS/cm	1	08/02/2024 10:26	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**20.8**	°C	1	08/02/2024 10:26	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**2.36**	mg/L	1	08/02/2024 10:26	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		**6.99**		1	08/02/2024 10:26	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**518**	mg/L	1	08/05/2024 11:43	R351252
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/05/2024 11:43	R351252
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**738**	mg/L	1	08/07/2024 9:40	R351427
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**146**	mg/L	5	08/07/2024 19:13	R351398
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.31**	mg/L	10	08/07/2024 13:59	R351389
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**9**	mg/L	1	08/07/2024 19:03	R351406
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**123**	mg/L	1	08/06/2024 12:41	226550
Magnesium	NELAP	0.006	0.050		**54.9**	mg/L	1	08/06/2024 12:41	226550
Potassium	NELAP	0.040	0.100		**2.17**	mg/L	1	08/06/2024 12:41	226550
Sodium	NELAP	0.018	0.050		**70.9**	mg/L	1	08/06/2024 12:41	226550
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**1.0**	µg/L	5	08/09/2024 15:01	226550
Arsenic	NELAP	0.4	1.0	J	**0.8**	µg/L	5	08/08/2024 13:17	226550
Barium	NELAP	0.7	1.0		**50.5**	µg/L	5	08/08/2024 13:17	226550
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/09/2024 15:01	226550
Boron	NELAP	9.2	20.0		**1240**	µg/L	5	08/06/2024 12:47	226550
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/08/2024 13:17	226550
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/08/2024 13:17	226550
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	08/08/2024 13:17	226550
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/08/2024 13:17	226550
Lithium	*	1.4	3.0		**13.4**	µg/L	5	08/06/2024 12:47	226550
Molybdenum	NELAP	0.6	1.5		**5.6**	µg/L	5	08/08/2024 13:17	226550
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/08/2024 13:17	226550
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/08/2024 13:17	226550

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-002 **Client Sample ID:** G1001

Matrix: GROUNDWATER **Collection Date:** 08/02/2024 10:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/07/2024 8:56	226762

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-044 **Client Sample ID:** G270

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 10:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.59**	ft	1	08/07/2024 10:29	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**54**	NTU	1	08/07/2024 10:29	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**-63**	mV	1	08/07/2024 10:29	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**556**	µS/cm	1	08/07/2024 10:29	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.8**	°C	1	08/07/2024 10:29	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.06**	mg/L	1	08/07/2024 10:29	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		**6.93**		1	08/07/2024 10:29	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**334**	mg/L	1	08/08/2024 12:59	R351443
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/08/2024 12:59	R351443
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**482**	mg/L	1	08/15/2024 17:11	R351887
Sample analysis did not meet hold time requirements.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		**65**	mg/L	2	08/12/2024 16:07	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.31**	mg/L	10	08/08/2024 16:54	R351419
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**14**	mg/L	1	08/12/2024 15:56	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**62.1**	mg/L	1	08/12/2024 12:54	226877
Magnesium	NELAP	0.006	0.050		**25.8**	mg/L	1	08/12/2024 12:54	226877
Potassium	NELAP	0.040	0.100		**1.03**	mg/L	1	08/12/2024 12:54	226877
Sodium	NELAP	0.018	0.050		**77.0**	mg/L	1	08/12/2024 12:54	226877
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/12/2024 18:20	226877
Arsenic	NELAP	0.4	1.0	J	**0.9**	µg/L	5	08/12/2024 18:20	226877
Barium	NELAP	0.7	1.0		**47.8**	µg/L	5	08/12/2024 18:20	226877
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 18:20	226877
Boron	NELAP	9.2	20	J	**15**	µg/L	5	08/12/2024 18:20	226877
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 18:20	226877
Chromium	NELAP	0.7	1.5		**1.9**	µg/L	5	08/13/2024 12:41	226877
Cobalt	NELAP	0.1	1.0	J	**0.7**	µg/L	5	08/12/2024 18:20	226877
Lead	NELAP	0.6	1.0	J	**0.8**	µg/L	5	08/12/2024 18:20	226877
Lithium	*	1.4	3.0		**3.6**	µg/L	5	08/12/2024 18:20	226877
Molybdenum	NELAP	0.6	1.5	J	**1.1**	µg/L	5	08/14/2024 13:56	226877
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 18:20	226877
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/12/2024 18:20	226877

Laboratory Results

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

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24
Lab ID: 24071451-044
Client Sample ID: G270
Matrix: GROUNDWATER
Collection Date: 08/07/2024 10:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/13/2024 14:07	226884

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-055 **Client Sample ID:** G280

Matrix: GROUNDWATER **Collection Date:** 07/30/2024 11:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.49**	ft	1	07/30/2024 11:50	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**63**	NTU	1	07/30/2024 11:50	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**89**	mV	1	07/30/2024 11:50	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**867**	µS/cm	1	07/30/2024 11:50	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.2**	°C	1	07/30/2024 11:50	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.35**	mg/L	1	07/30/2024 11:50	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		**7.36**		1	07/30/2024 11:50	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**274**	mg/L	1	07/31/2024 11:41	R351090
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/31/2024 11:41	R351090
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**578**	mg/L	1	08/01/2024 12:50	R351152
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**96**	mg/L	5	08/13/2024 17:36	R351696
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.29**	mg/L	10	08/13/2024 22:34	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**76**	mg/L	5	08/13/2024 17:36	R351708
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**94.7**	mg/L	1	08/05/2024 16:28	226459
Magnesium	NELAP	0.006	0.050		**42.5**	mg/L	1	08/05/2024 16:28	226459
Potassium	NELAP	0.040	0.100		**0.554**	mg/L	1	08/05/2024 16:28	226459
Sodium	NELAP	0.018	0.050		**67.7**	mg/L	1	08/05/2024 16:28	226459
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	B	**< 1.0**	µg/L	5	08/01/2024 11:37	226459
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/01/2024 11:37	226459
Barium	NELAP	0.7	1.0		**51.5**	µg/L	5	08/01/2024 11:37	226459
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/01/2024 11:37	226459
Boron	NELAP	9.2	20	J	**14**	µg/L	5	08/02/2024 13:32	226459
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/01/2024 11:37	226459
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/01/2024 11:37	226459
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	08/01/2024 11:37	226459
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/01/2024 11:37	226459
Lithium	*	1.4	3.0		**3.9**	µg/L	5	08/01/2024 11:37	226459
Molybdenum	NELAP	0.6	1.5	J	**0.8**	µg/L	5	08/01/2024 11:37	226459
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/01/2024 11:37	226459
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/01/2024 11:37	226459

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

Laboratory Results

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

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24
Lab ID: 24071451-055
Client Sample ID: G280
Matrix: GROUNDWATER
Collection Date: 07/30/2024 11:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/02/2024 16:24	226518

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-056 **Client Sample ID:** G281

Matrix: GROUNDWATER **Collection Date:** 07/30/2024 10:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.21**	ft	1	07/30/2024 10:13	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**38**	NTU	1	07/30/2024 10:13	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**76**	mV	1	07/30/2024 10:13	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1350**	µS/cm	1	07/30/2024 10:13	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.4**	°C	1	07/30/2024 10:13	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.14**	mg/L	1	07/30/2024 10:13	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		**6.98**		1	07/30/2024 10:13	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**387**	mg/L	1	07/31/2024 11:34	R351090
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	07/31/2024 11:34	R351090
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**996**	mg/L	1	08/01/2024 12:51	R351152
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		**314**	mg/L	10	08/15/2024 10:26	R351845
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.28**	mg/L	10	08/13/2024 22:46	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**76**	mg/L	5	08/13/2024 17:44	R351708
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**163**	mg/L	1	08/05/2024 16:29	226459
Magnesium	NELAP	0.006	0.050		**71.4**	mg/L	1	08/05/2024 16:29	226459
Potassium	NELAP	0.040	0.100		**1.05**	mg/L	1	08/05/2024 16:29	226459
Sodium	NELAP	0.018	0.050		**111**	mg/L	1	08/05/2024 16:29	226459
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/08/2024 22:00	226738
Arsenic	NELAP	0.4	1.0		**1.2**	µg/L	5	08/01/2024 12:55	226459
Barium	NELAP	0.7	1.0		**84.8**	µg/L	5	08/01/2024 12:55	226459
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/01/2024 12:55	226459
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	08/05/2024 16:41	226459
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/01/2024 12:55	226459
Chromium	NELAP	0.7	1.5		**3.6**	µg/L	5	08/01/2024 12:55	226459
Cobalt	NELAP	0.1	1.0	J	**0.8**	µg/L	5	08/01/2024 12:55	226459
Lead	NELAP	0.6	1.0		**1.1**	µg/L	5	08/01/2024 12:55	226459
Lithium	*	1.4	3.0		**7.0**	µg/L	5	08/01/2024 12:55	226459
Molybdenum	NELAP	0.6	1.5	J	**1.0**	µg/L	5	08/05/2024 16:41	226459
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/01/2024 12:55	226459
Thallium	NELAP	1.0	2.0	J	**1.1**	µg/L	5	08/01/2024 12:55	226459

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-056 **Client Sample ID:** G281

Matrix: GROUNDWATER **Collection Date:** 07/30/2024 10:13

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-075 **Client Sample ID:** G401

Matrix: GROUNDWATER **Collection Date:** 08/02/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**21.72**	ft	1	08/02/2024 9:24	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**7.8**	NTU	1	08/02/2024 9:24	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**19**	mV	1	08/02/2024 9:24	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2830**	µS/cm	1	08/02/2024 9:24	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.5**	°C	1	08/02/2024 9:24	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.84**	mg/L	1	08/02/2024 9:24	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		**5.82**		1	08/02/2024 9:24	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**90**	mg/L	1	08/06/2024 10:57	R351315
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/06/2024 10:57	R351315
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**2030**	mg/L	1	08/07/2024 9:39	R351427
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**1970**	mg/L	50	08/13/2024 18:36	R351696
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.12**	mg/L	10	08/08/2024 6:54	R351389
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**3**	mg/L	1	08/13/2024 18:31	R351708
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**533**	mg/L	1	08/06/2024 14:32	226550
Magnesium	NELAP	0.006	0.050		**124**	mg/L	1	08/06/2024 14:32	226550
Potassium	NELAP	0.040	0.100		**4.66**	mg/L	1	08/06/2024 14:32	226550
Sodium	NELAP	0.018	0.050		**59.7**	mg/L	1	08/06/2024 14:32	226550
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/09/2024 15:07	226550
Arsenic	NELAP	0.4	1.0		**1.0**	µg/L	5	08/08/2024 13:22	226550
Barium	NELAP	0.7	1.0		**10.2**	µg/L	5	08/08/2024 13:22	226550
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/09/2024 15:07	226550
Boron	NELAP	9.2	20.0		**5580**	µg/L	5	08/06/2024 12:53	226550
Cadmium	*	0.2	1.0	J	**0.4**	µg/L	5	08/08/2024 13:22	226550
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/08/2024 13:22	226550
Cobalt	NELAP	0.1	1.0		**174**	µg/L	5	08/08/2024 13:22	226550
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/08/2024 13:22	226550
Lithium	*	1.4	3.0		**42.5**	µg/L	5	08/06/2024 12:53	226550
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	08/08/2024 13:22	226550
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/08/2024 13:22	226550
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/08/2024 13:22	226550

Laboratory Results

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

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24
Lab ID: 24071451-075
Client Sample ID: G401
Matrix: GROUNDWATER
Collection Date: 08/02/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/07/2024 8:27	226758

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-076 **Client Sample ID:** G402

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.86**	ft	1	08/01/2024 14:16	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**26**	NTU	1	08/01/2024 14:16	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**76**	mV	1	08/01/2024 14:16	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1630**	µS/cm	1	08/01/2024 14:16	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.9**	°C	1	08/01/2024 14:16	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**7.00**	mg/L	1	08/01/2024 14:16	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		**6.95**		1	08/01/2024 14:16	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**486**	mg/L	1	08/09/2024 10:04	R351503
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/09/2024 10:04	R351503
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1350**	mg/L	1	08/06/2024 10:28	R351366
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**588**	mg/L	20	08/13/2024 18:45	R351696
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.29**	mg/L	10	08/14/2024 0:54	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**2**	mg/L	1	08/13/2024 18:39	R351708
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**229**	mg/L	1	08/05/2024 19:10	226569
Magnesium	NELAP	0.006	0.050		**139**	mg/L	1	08/05/2024 19:10	226569
Potassium	NELAP	0.040	0.100		**1.29**	mg/L	1	08/05/2024 19:10	226569
Sodium	NELAP	0.018	0.050		**48.3**	mg/L	1	08/05/2024 19:10	226569
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/06/2024 12:02	226569
Arsenic	NELAP	0.4	1.0		**2.3**	µg/L	5	08/06/2024 12:02	226569
Barium	NELAP	0.7	1.0		**24.9**	µg/L	5	08/06/2024 12:02	226569
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/06/2024 12:02	226569
Boron	NELAP	9.2	20.0		**5730**	µg/L	5	08/06/2024 12:02	226569
Cadmium	*	0.2	1.0	J	**0.2**	µg/L	5	08/06/2024 12:02	226569
Chromium	NELAP	0.7	1.5		**2.7**	µg/L	5	08/06/2024 12:02	226569
Cobalt	NELAP	0.1	1.0		**2.0**	µg/L	5	08/06/2024 12:02	226569
Lead	NELAP	0.6	1.0		**1.3**	µg/L	5	08/08/2024 12:19	226569
Lithium	*	1.4	3.0		**23.0**	µg/L	5	08/06/2024 12:02	226569
Molybdenum	NELAP	0.6	1.5		**1.7**	µg/L	5	08/06/2024 12:02	226569
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/06/2024 12:02	226569
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/06/2024 12:02	226569

Laboratory Results

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

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24
Lab ID: 24071451-076
Client Sample ID: G402
Matrix: GROUNDWATER
Collection Date: 08/01/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/07/2024 8:36	226758

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-077 **Client Sample ID:** G403

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 9:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.50**	ft	1	08/01/2024 9:16	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**16**	NTU	1	08/01/2024 9:16	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**201**	mV	1	08/01/2024 9:16	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**740**	µS/cm	1	08/01/2024 9:16	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.2**	°C	1	08/01/2024 9:16	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.87**	mg/L	1	08/01/2024 9:16	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		**6.81**		1	08/01/2024 9:16	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**326**	mg/L	1	08/06/2024 10:37	R351315
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/06/2024 10:37	R351315
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**436**	mg/L	1	08/06/2024 10:13	R351366
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		**87**	mg/L	5	08/15/2024 10:31	R351845
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.27**	mg/L	10	08/13/2024 22:58	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**6**	mg/L	1	08/12/2024 20:36	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**91.2**	mg/L	1	08/05/2024 16:57	226612
Magnesium	NELAP	0.006	0.050	S	**41.9**	mg/L	1	08/05/2024 16:57	226612
Potassium	NELAP	0.040	0.100		**0.600**	mg/L	1	08/05/2024 16:57	226612
Sodium	NELAP	0.018	0.050		**29.1**	mg/L	1	08/05/2024 16:57	226612
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	J	**0.5**	µg/L	5	08/08/2024 16:31	226612
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/05/2024 15:42	226612
Barium	NELAP	0.7	1.0		**129**	µg/L	5	08/05/2024 15:42	226612
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/05/2024 15:42	226612
Boron	NELAP	9.2	20.0		**25.5**	µg/L	5	08/05/2024 15:42	226612
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/05/2024 15:42	226612
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/05/2024 15:42	226612
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	08/05/2024 15:42	226612
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/05/2024 15:42	226612
Lithium	*	1.4	3.0		**3.3**	µg/L	5	08/08/2024 16:31	226612
Molybdenum	NELAP	0.6	1.5	J	**1.1**	µg/L	5	08/06/2024 14:23	226612
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/05/2024 15:42	226612
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/05/2024 15:42	226612

Laboratory Results

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

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24
Lab ID: 24071451-077
Client Sample ID: G403
Matrix: GROUNDWATER
Collection Date: 08/01/2024 9:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/07/2024 8:38	226758

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-078 **Client Sample ID:** G404

Matrix: GROUNDWATER **Collection Date:** 07/31/2024 12:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**4.40**	ft	1	07/31/2024 12:19	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.1**	NTU	1	07/31/2024 12:19	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**139**	mV	1	07/31/2024 12:19	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1470**	µS/cm	1	07/31/2024 12:19	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.8**	°C	1	07/31/2024 12:19	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.83**	mg/L	1	07/31/2024 12:19	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		**6.72**		1	07/31/2024 12:19	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**318**	mg/L	1	08/05/2024 11:23	R351252
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/05/2024 11:23	R351252
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1010**	mg/L	1	08/05/2024 11:01	R351309
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**356**	mg/L	20	08/12/2024 21:18	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.19**	mg/L	10	08/14/2024 0:08	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		**64**	mg/L	5	08/12/2024 21:13	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**160**	mg/L	1	08/05/2024 18:07	226542
Magnesium	NELAP	0.006	0.050		**65.8**	mg/L	1	08/05/2024 18:07	226542
Potassium	NELAP	0.040	0.100		**0.590**	mg/L	1	08/05/2024 18:07	226542
Sodium	NELAP	0.018	0.050		**59.0**	mg/L	1	08/05/2024 18:07	226542
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	09/05/2024 11:44	227783
Arsenic	NELAP	0.4	1.0	J	**0.4**	µg/L	5	08/05/2024 12:46	226542
Barium	NELAP	0.7	1.0		**38.5**	µg/L	5	08/05/2024 12:46	226542
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/05/2024 12:46	226542
Boron	NELAP	9.2	20.0		**5030**	µg/L	5	08/05/2024 12:46	226542
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/05/2024 12:46	226542
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/05/2024 12:46	226542
Cobalt	NELAP	0.1	1.0	J	**0.5**	µg/L	5	08/05/2024 12:46	226542
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/05/2024 12:46	226542
Lithium	*	1.4	3.0		**5.4**	µg/L	5	08/08/2024 16:20	226542
Molybdenum	NELAP	0.6	1.5		**1.5**	µg/L	5	08/05/2024 12:46	226542
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/05/2024 12:46	226542
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/05/2024 12:46	226542

Laboratory Results

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

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24
Lab ID: 24071451-078
Client Sample ID: G404
Matrix: GROUNDWATER
Collection Date: 07/31/2024 12:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/07/2024 8:40	226758

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-079 **Client Sample ID:** G405

Matrix: GROUNDWATER **Collection Date:** 07/31/2024 12:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.66**	ft	1	07/31/2024 12:57	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**19**	NTU	1	07/31/2024 12:57	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**80**	mV	1	07/31/2024 12:57	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1960**	µS/cm	1	07/31/2024 12:57	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.3**	°C	1	07/31/2024 12:57	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.73**	mg/L	1	07/31/2024 12:57	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		**6.87**		1	07/31/2024 12:57	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**306**	mg/L	1	08/05/2024 11:16	R351252
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/05/2024 11:16	R351252
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1740**	mg/L	1	08/05/2024 11:01	R351309
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**965**	mg/L	20	08/12/2024 21:26	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.40**	mg/L	10	08/14/2024 0:43	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**23**	mg/L	1	08/12/2024 21:21	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**269**	mg/L	1	08/05/2024 18:09	226542
Magnesium	NELAP	0.006	0.050		**118**	mg/L	1	08/05/2024 18:09	226542
Potassium	NELAP	0.040	0.100		**0.598**	mg/L	1	08/05/2024 18:09	226542
Sodium	NELAP	0.018	0.050		**114**	mg/L	1	08/05/2024 18:09	226542
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.8**	µg/L	5	08/08/2024 16:26	226542
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	08/05/2024 14:05	226542
Barium	NELAP	0.7	1.0		**14.0**	µg/L	5	08/05/2024 14:05	226542
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/05/2024 14:05	226542
Boron	NELAP	9.2	20.0		**10100**	µg/L	5	08/05/2024 14:05	226542
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/05/2024 14:05	226542
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/05/2024 14:05	226542
Cobalt	NELAP	0.1	1.0	J	**0.7**	µg/L	5	08/05/2024 14:05	226542
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/05/2024 14:05	226542
Lithium	*	1.4	3.0		**3.2**	µg/L	5	08/08/2024 16:26	226542
Molybdenum	NELAP	0.6	1.5	J	**0.7**	µg/L	5	08/06/2024 17:31	226542
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/05/2024 14:05	226542
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/05/2024 14:05	226542

Laboratory Results

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

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24
Lab ID: 24071451-079
Client Sample ID: G405
Matrix: GROUNDWATER
Collection Date: 07/31/2024 12:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/07/2024 8:42	226758

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-080 **Client Sample ID:** G406

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 10:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**10.81**	ft	1	08/01/2024 10:00	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.3**	NTU	1	08/01/2024 10:00	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**240**	mV	1	08/01/2024 10:00	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1390**	µS/cm	1	08/01/2024 10:00	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**18.2**	°C	1	08/01/2024 10:00	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.87**	mg/L	1	08/01/2024 10:00	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		**6.59**		1	08/01/2024 10:00	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**352**	mg/L	1	08/06/2024 10:44	R351315
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/06/2024 10:44	R351315
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1070**	mg/L	1	08/06/2024 10:13	R351366
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		**528**	mg/L	20	08/12/2024 21:34	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.30**	mg/L	10	08/13/2024 23:56	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	**4**	mg/L	1	08/12/2024 21:29	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**219**	mg/L	1	08/05/2024 17:02	226612
Magnesium	NELAP	0.006	0.050		**78.9**	mg/L	1	08/05/2024 17:02	226612
Potassium	NELAP	0.040	0.100		**0.250**	mg/L	1	08/05/2024 17:02	226612
Sodium	NELAP	0.018	0.050		**39.9**	mg/L	1	08/05/2024 17:02	226612
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.9**	µg/L	5	08/08/2024 17:11	226612
Arsenic	NELAP	0.4	1.0	J	**0.6**	µg/L	5	08/05/2024 15:17	226612
Barium	NELAP	0.7	1.0		**19.9**	µg/L	5	08/05/2024 15:17	226612
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/05/2024 15:17	226612
Boron	NELAP	9.2	20.0		**2110**	µg/L	5	08/05/2024 15:17	226612
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/05/2024 15:17	226612
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/05/2024 15:17	226612
Cobalt	NELAP	0.1	1.0	J	**0.6**	µg/L	5	08/05/2024 15:17	226612
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/05/2024 15:17	226612
Lithium	*	1.4	3.0		**9.0**	µg/L	5	08/08/2024 17:11	226612
Molybdenum	NELAP	0.6	1.5	J	**1.3**	µg/L	5	08/06/2024 14:17	226612
Selenium	NELAP	0.6	1.0	J	**0.7**	µg/L	5	08/05/2024 15:17	226612
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/05/2024 15:17	226612

Laboratory Results

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

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24
Lab ID: 24071451-080
Client Sample ID: G406
Matrix: GROUNDWATER
Collection Date: 08/01/2024 10:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/08/2024 10:36	226776

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-081 **Client Sample ID:** G407

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 10:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.35**	ft	1	08/01/2024 10:51	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**29**	NTU	1	08/01/2024 10:51	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		**215**	mV	1	08/01/2024 10:51	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2110**	µS/cm	1	08/01/2024 10:51	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.4**	°C	1	08/01/2024 10:51	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.81**	mg/L	1	08/01/2024 10:51	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		**6.75**		1	08/01/2024 10:51	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**485**	mg/L	1	08/06/2024 10:18	R351315
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/06/2024 10:18	R351315
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1770**	mg/L	1	08/06/2024 10:14	R351366
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		**952**	mg/L	50	08/12/2024 21:43	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	**0.30**	mg/L	10	08/14/2024 0:19	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**11**	mg/L	1	08/12/2024 21:37	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**257**	mg/L	1	08/05/2024 17:03	226612
Magnesium	NELAP	0.006	0.050		**166**	mg/L	1	08/05/2024 17:03	226612
Potassium	NELAP	0.040	0.100		**2.97**	mg/L	1	08/05/2024 17:03	226612
Sodium	NELAP	0.018	0.050		**89.1**	mg/L	1	08/05/2024 17:03	226612
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.6**	µg/L	5	08/08/2024 17:16	226612
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/05/2024 15:23	226612
Barium	NELAP	0.7	1.0		**14.5**	µg/L	5	08/05/2024 15:23	226612
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/05/2024 15:23	226612
Boron	NELAP	9.2	20.0		**79.0**	µg/L	5	08/05/2024 15:23	226612
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/05/2024 15:23	226612
Chromium	NELAP	0.7	1.5		**1.6**	µg/L	5	08/05/2024 15:23	226612
Cobalt	NELAP	0.1	1.0	J	**0.4**	µg/L	5	08/05/2024 15:23	226612
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/05/2024 15:23	226612
Lithium	*	1.4	3.0		**34.1**	µg/L	5	08/08/2024 17:16	226612
Molybdenum	NELAP	0.6	1.5		**2.1**	µg/L	5	08/06/2024 15:24	226612
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/05/2024 15:23	226612
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/05/2024 15:23	226612

Laboratory Results

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

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24
Lab ID: 24071451-081
Client Sample ID: G407
Matrix: GROUNDWATER
Collection Date: 08/01/2024 10:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/08/2024 10:38	226776

Laboratory Results

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

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24
Lab ID: 24071451-091
Client Sample ID: SG-02
Matrix: GROUNDWATER
Collection Date: 07/30/2024 10:24

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

Laboratory Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-092 **Client Sample ID:** SG-03

Matrix: GROUNDWATER **Collection Date:** 07/30/2024 12:50

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

Laboratory Results

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

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

Lab ID: 24071451-097 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 08/07/2024 14:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**1**	mg/L	1	08/08/2024 13:51	R351443
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	08/08/2024 13:51	R351443
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	**< 20**	mg/L	1	08/15/2024 17:20	R351887
Sample analysis did not meet hold time requirements.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		**< 10**	mg/L	1	08/12/2024 18:17	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50		**ND**	mg/L	10	08/08/2024 15:56	R351419
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		**< 4**	mg/L	1	08/12/2024 18:18	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	**0.041**	mg/L	1	08/12/2024 16:10	226881
Magnesium	NELAP	0.006	0.050	J	**0.046**	mg/L	1	08/12/2024 16:10	226881
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	08/12/2024 16:10	226881
Sodium	NELAP	0.018	0.050	J	**0.048**	mg/L	1	08/12/2024 16:10	226881
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	B	**< 1.0**	µg/L	5	08/12/2024 17:01	226881
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	08/12/2024 17:01	226881
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	08/12/2024 17:01	226881
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 17:01	226881
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	09/04/2024 15:07	227726
Cadmium	*	0.2	1.0		**< 1.0**	µg/L	5	08/12/2024 17:01	226881
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	08/12/2024 17:01	226881
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	08/12/2024 17:01	226881
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 17:01	226881
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	08/12/2024 17:01	226881
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	08/12/2024 17:01	226881
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	08/12/2024 17:01	226881
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	08/12/2024 17:01	226881
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	08/13/2024 14:27	226884

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: COF-24Q3

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

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24071451-001	AP2D	Groundwater	2	08/07/2024 9:40
24071451-002	G1001	Groundwater	2	08/02/2024 10:26
24071451-003	G1003	Groundwater	2	08/05/2024 13:40
24071451-044	G270	Groundwater	6	08/07/2024 10:29
24071451-055	G280	Groundwater	6	07/30/2024 11:50
24071451-056	G281	Groundwater	4	07/30/2024 10:13
24071451-075	G401	Groundwater	4	08/02/2024 9:24
24071451-076	G402	Groundwater	4	08/01/2024 14:16
24071451-077	G403	Groundwater	4	08/01/2024 9:16
24071451-078	G404	Groundwater	4	07/31/2024 12:19
24071451-079	G405	Groundwater	4	07/31/2024 12:57
24071451-080	G406	Groundwater	4	08/01/2024 10:00
24071451-081	G407	Groundwater	4	08/01/2024 10:51
24071451-091	SG-02	Groundwater	1	07/30/2024 10:24
24071451-092	SG-03	Groundwater	1	07/30/2024 12:50
24071451-097	Field Blank	Aqueous	9	08/07/2024 14:49

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

STANDARD METHODS 2510 B FIELD

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	07/30/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	07/30/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	07/31/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	07/31/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	07/31/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	08/01/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-3-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.3	90	110	08/01/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-3-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	08/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

STANDARD METHODS 2510 B FIELD

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-3-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	08/05/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-4-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.5	90	110	08/05/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-4-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	08/02/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-4-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1400**	1412	0	99.2	90	110	08/06/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-5-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	08/05/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-5-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.8	90	110	08/05/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-5-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	08/07/2024

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-6-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	08/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

STANDARD METHODS 2510 B FIELD

Batch R351564 **SampType:** LCS Units **µS/cm**
SampID: LCS-6-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	08/06/2024

SW-846 9040B FIELD

Batch R351564 **SampType:** LCS Units
SampID: LCS-1-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	07/30/2024

Batch R351564 **SampType:** LCS Units
SampID: LCS-1-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.99**	7.000	0	99.9	98.57	101.4	07/30/2024

Batch R351564 **SampType:** LCS Units
SampID: LCS-1-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.03**	7.000	0	100.4	98.57	101.4	07/31/2024

Batch R351564 **SampType:** LCS Units
SampID: LCS-2-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	07/31/2024

Batch R351564 **SampType:** LCS Units
SampID: LCS-2-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.98**	7.000	0	99.7	98.57	101.4	07/31/2024

Batch R351564 **SampType:** LCS Units
SampID: LCS-2-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.06**	7.000	0	100.9	98.57	101.4	08/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9040B FIELD

Batch R351564 **SampType:** LCS Units

SampID: LCS-3-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	08/01/2024

Batch R351564 **SampType:** LCS Units

SampID: LCS-3-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	08/01/2024

Batch R351564 **SampType:** LCS Units

SampID: LCS-3-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.05**	7.000	0	100.7	98.57	101.4	08/05/2024

Batch R351564 **SampType:** LCS Units

SampID: LCS-4-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	08/05/2024

Batch R351564 **SampType:** LCS Units

SampID: LCS-4-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.99**	7.000	0	99.9	98.57	101.4	08/02/2024

Batch R351564 **SampType:** LCS Units

SampID: LCS-4-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.03**	7.000	0	100.4	98.57	101.4	08/06/2024

Batch R351564 **SampType:** LCS Units

SampID: LCS-5-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	08/05/2024

Batch R351564 **SampType:** LCS Units

SampID: LCS-5-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.99**	7.000	0	99.9	98.57	101.4	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9040B FIELD

Batch R351564 **SampType:** LCS Units

SampID: LCS-5-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.99**	7.000	0	99.9	98.57	101.4	08/07/2024

Batch R351564 **SampType:** LCS Units

SampID: LCS-6-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	08/06/2024

Batch R351564 **SampType:** LCS Units

SampID: LCS-6-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	08/06/2024

EPA 1664A

Batch R351520 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**< 5**	4.400	0	0	-100	100	08/09/2024

Batch R351520 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**31**	40.00	0	78.2	78	114	08/09/2024

Batch R351520 **SampType:** MS Units **mg/L**

SampID: 24080864-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**35**	43.72	0	81.0	78	114	08/09/2024

Batch R351613 **SampType:** MBLK Units **mg/L**

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**< 5**	4.400	0	0	-100	100	08/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

EPA 1664A

Batch R351613 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		**35**	40.00	0	87.0	78	114	08/12/2024

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		6		**43**	47.29	0	90.0	78	114	08/12/2024

Batch R351613 **SampType:** MSD Units **mg/L** RPD Limit **18**
SampID: 24071451-013GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Hexane Extractable Material		6		**39**	46.59	0	82.8	42.56	9.88	08/12/2024

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		6		**43**	47.29	0	90.0	78	114	08/12/2024

Batch R351613 **SampType:** MSD Units **mg/L** RPD Limit **18**
SampID: 24071451-103BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Hexane Extractable Material		6		**39**	46.59	0	82.8	42.56	9.88	08/12/2024

EPA 1664A, (TOTAL) PETROLEUM HYDROCARBONS

Batch R351520 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material (SGT)		5		**< 5**	4.400	0	0	-100	100	08/13/2024

Batch R351520 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material (SGT)		5		**15**	20.00	0	74.0	64	132	08/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

EPA 1664A, (TOTAL) PETROLEUM HYDROCARBONS

Batch R351613 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material (SGT)		5		**< 5**	4.400	0	0	-100	100	08/14/2024

Batch R351613 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material (SGT)		5		**17**	20.00	0	85.5	64	132	08/14/2024

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

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

Batch R351613 **SampType:** MSD Units **mg/L** RPD Limit **34**
SampID: 24071451-013GMSD

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

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

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

Batch R351613 **SampType:** MSD Units **mg/L** RPD Limit **34**
SampID: 24071451-103BMSD

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

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R351152 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/01/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R351152 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**978**	1000	0	97.8	90	110	08/01/2024
Total Dissolved Solids		20		**968**	1000	0	96.8	90	110	08/01/2024

Batch R351309 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/05/2024

Batch R351309 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**978**	1000	0	97.8	90	110	08/05/2024

Batch R351309 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24071451-078ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**958**				1012	5.48	08/05/2024

Batch R351366 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/06/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/06/2024

Batch R351366 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**960**	1000	0	96.0	90	110	08/06/2024
Total Dissolved Solids		20		**928**	1000	0	92.8	90	110	08/06/2024

Batch R351366 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24071451-065ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**914**				918.0	0.44	08/06/2024

Teklab, Inc.
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Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R351366 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24080156-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		**5430**				5660	4.15	08/06/2024

Batch R351366 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24080157-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**2800**				2982	6.15	08/06/2024

Batch R351427 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/07/2024

Batch R351427 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**944**	1000	0	94.4	90	110	08/07/2024

Batch R351427 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24080319-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200		**3460**				3520	1.72	08/07/2024

Batch R351496 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/08/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/08/2024

Batch R351496 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**932**	1000	0	93.2	90	110	08/08/2024
Total Dissolved Solids		20		**942**	1000	0	94.2	90	110	08/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R351496 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24071451-012ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**554**				580.0	4.59	08/08/2024

Batch R351496 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24080687-005ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**874**				862.0	1.38	08/08/2024

Batch R351578 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/09/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/09/2024

Batch R351578 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**942**	1000	0	94.2	90	110	08/09/2024
Total Dissolved Solids		20		**982**	1000	0	98.2	90	110	08/09/2024

Batch R351578 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24080600-005ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**482**				472.0	2.10	08/09/2024

Batch R351887 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/15/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/15/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R351887 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**994**	1000	0	99.4	90	110	08/15/2024
Total Dissolved Solids		20		**1000**	1000	0	100.0	90	110	08/15/2024
Total Dissolved Solids		20		**1010**	1000	0	100.8	90	110	08/15/2024

Batch R351887 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24071451-043ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**820**				844.0	2.88	08/15/2024

Batch R351887 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24071451-059ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**1850**				1826	1.31	08/15/2024

Batch R351887 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24080002-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**474**				492.0	3.73	08/15/2024

Batch R351887 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24080862-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200	H	**24200**				24660	1.97	08/15/2024

Batch R351887 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24080863-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**1160**				1136	2.09	08/15/2024

Batch R352109 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/20/2024

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Environmental Laboratory

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Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R352109 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**998**	1000	0	99.8	90	110	08/20/2024

Batch R352109 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24080169-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**524**				518.0	1.15	08/20/2024

Batch R352173 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/21/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	08/21/2024

Batch R352173 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**984**	1000	0	98.4	90	110	08/21/2024
Total Dissolved Solids		20		**986**	1000	0	98.6	90	110	08/21/2024

Batch R352173 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24071451-100ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**1440**				1394	3.11	08/21/2024

Batch R352173 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24071451-102ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**706**				706.0	0.00	08/21/2024

Batch R352173 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24081724-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**430**				422.0	1.88	08/21/2024

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Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

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

Batch R351331 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	08/07/2024

Batch R351331 **SampType:** LCS Units **mg/L**
SampID: 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	101.8	90	110	08/07/2024

Batch R351331 **SampType:** MS Units **mg/L**
SampID: 24071451-004EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.84**	2.000	0	91.8	90	110	08/07/2024

Batch R351331 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-004EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.81**	2.000	0	90.6	1.836	1.37	08/07/2024

Batch R351331 **SampType:** MS Units **mg/L**
SampID: 24071451-006GMS

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	08/07/2024

Batch R351331 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-006GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.85**	2.000	0	92.7	1.855	0.05	08/07/2024

Batch R351331 **SampType:** MS Units **mg/L**
SampID: 24080270-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.84**	2.000	0.9630	93.8	90	110	08/07/2024

Batch R351331 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080270-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.81**	2.000	0.9630	92.6	2.840	0.92	08/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

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

Batch R351331 **SampType:** MS Units **mg/L**
SampID: 24080304-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.99**	2.000	0.07800	95.5	90	110	08/07/2024

Batch R351331 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080304-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.94**	2.000	0.07800	93.2	1.988	2.29	08/07/2024

Batch R351331 **SampType:** MS Units **mg/L**
SampID: 24080359-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.43**	2.000	0.6300	90.0	90	110	08/07/2024

Batch R351331 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080359-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.45**	2.000	0.6300	90.8	2.430	0.66	08/07/2024

Batch R351499 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**< 0.10**	0.0270	0	0	-100	100	08/09/2024

Batch R351499 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.02**	1.000	0	101.5	90	110	08/09/2024

Batch R351499 **SampType:** MS Units **mg/L**
SampID: 24071451-007GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**7.10**	4.000	3.575	88.2	90	110	08/09/2024

Batch R351499 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-007GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**7.13**	4.000	3.575	89.0	7.101	0.45	08/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351499 **SampType:** MS Units **mg/L**
SampID: 24080524-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0	93.6	90	110	08/09/2024

Batch R351499 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080524-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.88**	2.000	0	93.8	1.871	0.32	08/09/2024

Batch R351499 **SampType:** MS Units **mg/L**
SampID: 24080552-002EMS

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	0.05500	89.2	90	110	08/09/2024

Batch R351499 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080552-002EMSD

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	0.05500	90.3	1.839	1.19	08/09/2024

Batch R351499 **SampType:** MS Units **mg/L**
SampID: 24080553-001CMS

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	0.1020	94.0	90	110	08/09/2024

Batch R351499 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080553-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.94**	2.000	0.1020	92.2	1.981	1.83	08/09/2024

Batch R351499 **SampType:** MS Units **mg/L**
SampID: 24080588-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.95**	2.000	0.04500	95.2	90	110	08/09/2024

Batch R351499 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080588-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.04500	93.6	1.948	1.55	08/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351499 **SampType:** MS Units **mg/L**
SampID: 24080686-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.35**	2.000	0.4800	93.4	90	110	08/09/2024

Batch R351499 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080686-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.34**	2.000	0.4800	93.0	2.349	0.38	08/09/2024

Batch R351499 **SampType:** MS Units **mg/L**
SampID: 24080708-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0.05800	90.6	90	110	08/09/2024

Batch R351499 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080708-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0.05800	90.7	1.869	0.11	08/09/2024

Batch R351499 **SampType:** MS Units **mg/L**
SampID: 24080743-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.55**	2.000	1.679	93.6	90	110	08/09/2024

Batch R351499 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080743-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.56**	2.000	1.679	94.2	3.552	0.34	08/09/2024

Batch R351499 **SampType:** MS Units **mg/L**
SampID: 24080780-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.91**	2.000	0.03500	93.8	90	110	08/09/2024

Batch R351499 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080780-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.90**	2.000	0.03500	93.2	1.910	0.63	08/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351109 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	08/01/2024

Batch R351109 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.33**	0.3045	0	109.4	90	110	08/01/2024

Batch R351109 **SampType:** MS Units **mg/L**
SampID: 24072335-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.57**	0.5000	0.02300	108.8	85	115	08/01/2024

Batch R351109 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072335-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.57**	0.5000	0.02300	110.2	0.5670	1.23	08/01/2024

Batch R351317 **SampType:** MS Units **mg/L**
SampID: 24071451-008BMS

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	08/06/2024

Batch R351317 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.0	0.5070	1.39	08/06/2024

Batch R351317 **SampType:** MS Units **mg/L**
SampID: 24071451-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.8	85	115	08/06/2024

Batch R351317 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.0	0.5140	0.78	08/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351317 **SampType:** MS Units **mg/L**
SampID: 24071451-021BMS

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	08/06/2024

Batch R351317 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-021BMSD

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	0.5100	0.39	08/06/2024

Batch R351426 **SampType:** MS Units **mg/L**
SampID: 24071451-018BMS

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	0.01000	99.0	85	115	08/08/2024

Batch R351426 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0.01000	98.2	0.5050	0.80	08/08/2024

Batch R351426 **SampType:** MS Units **mg/L**
SampID: 24080600-005CMS

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	0.006000	96.4	85	115	08/08/2024

Batch R351426 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080600-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0.006000	96.8	0.4880	0.41	08/08/2024

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

Batch R351109 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351109 **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		**0.32**	0.3045	0	105.7	90	110	08/01/2024

Batch R351109 **SampType:** MS Units **mg/L**
SampID: 24071451-055AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.54**	0.5000	0	107.2	85	115	08/01/2024

Batch R351109 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-055AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.53**	0.5000	0	106.2	0.5360	0.94	08/01/2024

Batch R351109 **SampType:** MS Units **mg/L**
SampID: 24072332-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.53**	0.5000	0	105.6	85	115	08/01/2024

Batch R351109 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072332-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	**0.52**	0.5000	0	103.6	0.5280	1.91	08/01/2024

Batch R351109 **SampType:** MS Units **mg/L**
SampID: 24072496-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	106.4	85	115	08/01/2024

Batch R351109 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072496-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.54**	0.5000	0	107.2	0.5320	0.75	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351187 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	08/02/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	08/02/2024

Batch R351187 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	104.1	90	110	08/02/2024
Nitrogen, Nitrite (as N)		0.05		**0.32**	0.3045	0	104.1	90	110	08/02/2024

Batch R351187 **SampType:** MS Units **mg/L**
SampID: 24071451-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	104.4	85	115	08/02/2024

Batch R351187 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	105.6	0.5220	1.14	08/02/2024

Batch R351187 **SampType:** MS Units **mg/L**
SampID: 24071451-080AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.53**	0.5000	0	106.2	85	115	08/02/2024

Batch R351187 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-080AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	103.4	0.5310	2.67	08/02/2024

Batch R351187 **SampType:** MS Units **mg/L**
SampID: 24080033-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	104.2	85	115	08/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351187 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080033-001AMSD

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	103.6	0.5210	0.58	08/02/2024

Batch R351317 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	08/06/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	08/06/2024

Batch R351317 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.33**	0.3045	0	109.0	90	110	08/06/2024
Nitrogen, Nitrite (as N)		0.05		**0.33**	0.3045	0	108.7	90	110	08/06/2024

Batch R351317 **SampType:** MS Units **mg/L**
SampID: 24080386-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.8	85	115	08/06/2024

Batch R351317 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080386-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.4	0.5140	0.39	08/06/2024

Batch R351426 **SampType:** MBLK Units **mg/L**
SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	J	**0.01**	0.0250	0	24.0	-100	100	08/08/2024
Nitrogen, Nitrite (as N)		0.05	J	**0.01**	0.0250	0	24.0	-100	100	08/08/2024

Batch R351426 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.31**	0.3045	0	101.5	90	110	08/08/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	100.2	90	110	08/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

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

Batch R351426 **SampType:** MS Units **mg/L**
SampID: 24080632-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0.006000	98.2	85	115	08/08/2024

Batch R351426 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080632-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0.006000	92.6	0.4970	5.80	08/08/2024

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

Batch R351318 **SampType:** MS Units **mg/L**
SampID: 24071451-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.716**	0.2500	0.4720	97.6	85	115	08/06/2024

Batch R351318 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.718**	0.2500	0.4720	98.4	0.7160	0.28	08/06/2024

Batch R351318 **SampType:** MS Units **mg/L**
SampID: 24071451-093BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.71**	0.5000	1.207	101.0	85	115	08/06/2024

Batch R351318 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-093BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.70**	0.5000	1.207	98.2	1.712	0.82	08/06/2024

Batch R351318 **SampType:** MS Units **mg/L**
SampID: 24080359-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.252**	0.2500	0.009000	97.2	85	115	08/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351318 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080359-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.250**	0.2500	0.009000	96.4	0.2520	0.80	08/06/2024

Batch R351420 **SampType:** MS Units **mg/L**
SampID: 24071451-098BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.34**	0.5000	1.826	102.8	85	115	08/07/2024

Batch R351420 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-098BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.32**	0.5000	1.826	98.8	2.340	0.86	08/07/2024

Batch R351420 **SampType:** MS Units **mg/L**
SampID: 24080512-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.239**	0.2500	0	95.6	85	115	08/07/2024

Batch R351420 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080512-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.241**	0.2500	0	96.4	0.2390	0.83	08/07/2024

Batch R351457 **SampType:** MS Units **mg/L**
SampID: 24080689-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.237**	0.2500	0	94.8	85	115	08/08/2024

Batch R351457 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080689-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.231**	0.2500	0	92.4	0.2370	2.56	08/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351061 **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	07/31/2024

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

Batch R351061 **SampType:** MS Units **mg/L**
SampID: 24071451-054AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**15.8**	5.000	10.07	114.9	85	115	07/31/2024

Batch R351061 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-054AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**15.4**	5.000	10.07	106.5	15.82	2.70	07/31/2024

Batch R351061 **SampType:** MS Units **mg/L**
SampID: 24072405-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.279**	0.2500	0.04400	94.0	85	115	07/31/2024

Batch R351061 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072405-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.274**	0.2500	0.04400	92.0	0.2790	1.81	07/31/2024

Batch R351061 **SampType:** MS Units **mg/L**
SampID: 24072460-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**82.5**	25.00	58.00	97.9	90	110	07/31/2024

Batch R351061 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072460-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**81.3**	25.00	58.00	93.3	82.47	1.39	07/31/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351061 **SampType:** MS Units **mg/L**
SampID: 24072461-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.11**	0.5000	0.6330	96.2	90	110	07/31/2024

Batch R351061 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072461-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.13**	0.5000	0.6330	98.8	1.114	1.16	07/31/2024

Batch R351061 **SampType:** MS Units **mg/L**
SampID: 24072496-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**32.9**	12.50	19.46	107.4	90	110	07/31/2024

Batch R351061 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072496-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**31.9**	12.50	19.46	99.6	32.88	3.00	07/31/2024

Batch R351125 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/01/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/01/2024

Batch R351125 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.515**	0.5000	0	103.0	90	110	08/01/2024

Batch R351125 **SampType:** MS Units **mg/L**
SampID: 24072558-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.47**	1.250	1.339	90.7	90	110	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351125 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24072558-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**2.52**	1.250	1.339	94.9	2.473	2.08	08/01/2024

Batch R351125 **SampType:** MS Units **mg/Kg-dry**

SampID: 24072568-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		3.88		**19.4**	19.39	0	100.0	85	115	08/01/2024

Batch R351125 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **10**

SampID: 24072568-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		3.88		**19.5**	19.39	0	100.8	19.39	0.80	08/01/2024

Batch R351217 **SampType:** MBLK Units **mg/L**

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/02/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/02/2024

Batch R351217 **SampType:** LCS Units **mg/L**

SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.523**	0.5000	0	104.6	90	110	08/02/2024

Batch R351217 **SampType:** MS Units **mg/L**

SampID: 24071451-077AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.248**	0.2500	0.03000	87.2	85	115	08/02/2024

Batch R351217 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24071451-077AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.247**	0.2500	0.03000	86.8	0.2480	0.40	08/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

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

Batch R351217 **SampType:** MS Units **mg/L**
SampID: 24080017-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.09**	0.5000	0.6210	93.4	90	110	08/02/2024

Batch R351217 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080017-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.10**	0.5000	0.6210	95.6	1.088	1.01	08/02/2024

Batch R351217 **SampType:** MS Units **mg/L**
SampID: 24080065-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**62.3**	25.00	37.50	99.2	90	110	08/02/2024

Batch R351217 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080065-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**62.3**	25.00	37.50	99.3	62.30	0.05	08/02/2024

Batch R351217 **SampType:** MS Units **mg/L**
SampID: 24080156-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**2.52**	2.500	0.09900	96.9	90	110	08/02/2024

Batch R351217 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080156-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**2.52**	2.500	0.09900	96.9	2.522	0.04	08/02/2024

Batch R351217 **SampType:** MS Units **mg/L**
SampID: 24080161-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**12.9**	5.000	7.917	98.8	90	110	08/02/2024

Batch R351217 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080161-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**12.8**	5.000	7.917	98.3	12.86	0.22	08/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351271 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/05/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/05/2024

Batch R351271 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.479**	0.5000	0	95.8	90	110	08/05/2024

Batch R351271 **SampType:** MS Units **mg/Kg-dry**
SampID: 24080115-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.18		**9.70**	5.917	3.905	98.0	85	115	08/05/2024

Batch R351271 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **10**
SampID: 24080115-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.18		**9.63**	5.917	3.905	96.8	9.704	0.73	08/05/2024

Batch R351271 **SampType:** MS Units **mg/L**
SampID: 24080167-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**15.1**	5.000	10.26	97.7	90	110	08/05/2024

Batch R351271 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080167-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**15.1**	5.000	10.26	97.1	15.14	0.20	08/05/2024

Batch R351271 **SampType:** MS Units **mg/L**
SampID: 24080215-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.84**	5.000	4.924	98.3	90	110	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351271 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24080215-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**9.76**	5.000	4.924	96.6	9.841	0.88	08/05/2024

Batch R351271 **SampType:** MS Units **mg/L**

SampID: 24080277-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**33.7**	12.50	21.56	97.4	90	110	08/05/2024

Batch R351271 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24080277-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**34.6**	12.50	21.56	104.0	33.74	2.42	08/05/2024

Batch R351318 **SampType:** MBLK Units **mg/L**

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/06/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/06/2024

Batch R351318 **SampType:** LCS Units **mg/L**

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		**0.470**	0.5000	0	94.0	90	110	08/06/2024

Batch R351318 **SampType:** MS Units **mg/L**

SampID: 24080388-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	**0.242**	0.2500	0	96.8	90	110	08/06/2024

Batch R351318 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24080388-001AMSD

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	0.2420	2.51	08/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351420 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/07/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/07/2024

Batch R351420 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.484**	0.5000	0	96.8	90	110	08/07/2024

Batch R351420 **SampType:** MS Units **mg/L**
SampID: 24080571-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**29.7**	12.50	17.39	98.7	90	110	08/07/2024

Batch R351420 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080571-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**30.3**	12.50	17.39	103.1	29.72	1.83	08/07/2024

Batch R351420 **SampType:** MS Units **mg/L**
SampID: 24080582-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.89**	2.500	2.426	98.5	90	110	08/07/2024

Batch R351420 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080582-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.75**	2.500	2.426	93.1	4.889	2.82	08/07/2024

Batch R351457 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		**< 0.050**						08/08/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	08/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351457 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.481**	0.5000	0	96.2	90	110	08/08/2024

Batch R351457 **SampType:** MS Units **mg/L**
SampID: 24080397-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.49**	2.500	4.005	99.5	90	110	08/08/2024

Batch R351457 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080397-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.45**	2.500	4.005	98.0	6.493	0.60	08/08/2024

Batch R351457 **SampType:** MS Units **mg/L**
SampID: 24080483-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**18.4**	5.000	13.51	98.4	90	110	08/08/2024

Batch R351457 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080483-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**18.3**	5.000	13.51	96.2	18.43	0.60	08/08/2024

Batch R351457 **SampType:** MS Units **mg/L**
SampID: 24080588-001BMS

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	1.782	100.8	90	110	08/08/2024

Batch R351457 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080588-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		**3.09**	1.250	1.782	104.7	3.042	1.60	08/08/2024

Batch R351457 **SampType:** MS Units **mg/L**
SampID: 24080597-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.263**	0.2500	0.01900	97.6	90	110	08/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch R351457 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080597-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.262**	0.2500	0.01900	97.2	0.2630	0.38	08/08/2024

Batch R351457 **SampType:** MS Units **mg/L**
SampID: 24080678-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.76**	0.5000	1.268	98.4	90	110	08/08/2024

Batch R351457 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080678-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.74**	0.5000	1.268	95.4	1.760	0.86	08/08/2024

SW-846 9012A (TOTAL)

Batch 226480 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240731 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/01/2024

Batch 226480 **SampType:** LCS Units **mg/L**
SampID: LCS 240731 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.022**	0.0250	0	89.7	85	115	08/01/2024

Batch 226480 **SampType:** MS Units **mg/L**
SampID: 24071451-030EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.5	75	125	08/01/2024

Batch 226480 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-030EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	97.2	0.02538	4.37	08/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9012A (TOTAL)

Batch 226619 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240802 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/05/2024

Batch 226619 **SampType:** LCS Units **mg/L**
SampID: LCS 240802 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	95.6	85	115	08/05/2024

Batch 226619 **SampType:** MS Units **mg/L**
SampID: 24080007-001HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	91.1	75	125	08/05/2024

Batch 226619 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080007-001HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	92.3	0.02277	1.33	08/05/2024

Batch 226619 **SampType:** MS Units **mg/L**
SampID: 24080009-001HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.020**	0.0250	0	78.7	75	125	08/05/2024

Batch 226619 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080009-001HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.020**	0.0250	0	78.2	0.01968	0.66	08/05/2024

Batch 226680 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240805 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/06/2024

Batch 226680 **SampType:** LCS Units **mg/L**
SampID: LCS 240805 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.5	90	110	08/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9012A (TOTAL)

Batch 226680 **SampType:** MS Units **mg/L**
SampID: 24080111-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.5	90	110	08/06/2024

Batch 226680 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080111-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	97.4	0.02612	7.04	08/06/2024

Batch 226681 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240805 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/06/2024

Batch 226681 **SampType:** LCS Units **mg/L**
SampID: LCS 240805 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.4	90	110	08/06/2024

Batch 226681 **SampType:** MS Units **mg/L**
SampID: 24071451-049EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	107.3	75	125	08/06/2024

Batch 226681 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-049EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	105.6	0.02682	1.63	08/06/2024

Batch 226681 **SampType:** MS Units **mg/L**
SampID: 24080305-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.3	90	110	08/06/2024

Batch 226681 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080305-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.1	0.02532	1.78	08/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9012A (TOTAL)

Batch 226764 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240806 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/07/2024

Batch 226764 **SampType:** LCS Units **mg/L**
SampID: LCS 240806 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.9	90	110	08/07/2024

Batch 226764 **SampType:** MS Units **mg/L**
SampID: 24072505-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.003470	98.5	90	110	08/07/2024

Batch 226764 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24072505-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.003470	97.3	0.02808	1.00	08/07/2024

Batch 226764 **SampType:** MS Units **mg/L**
SampID: 24072536-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.019**	0.0250	0.001915	67.6	90	110	08/07/2024

Batch 226764 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24072536-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	S	**0.021**	0.0250	0.001915	76.0	0.01882	10.57	08/07/2024

Batch 226765 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240806 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/07/2024

Batch 226765 **SampType:** LCS Units **mg/L**
SampID: LCS 240806 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.6	90	110	08/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9012A (TOTAL)

Batch 226765 **SampType:** MS Units **mg/L**
SampID: 24080185-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.024**	0.0250	0.005185	75.0	90	110	08/07/2024

Batch 226765 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080185-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	R	**0.029**	0.0250	0.005185	95.5	0.02392	19.42	08/07/2024

Batch 226765 **SampType:** MS Units **mg/L**
SampID: 24080279-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025	S	**0.073**	0.1250	0	58.6	90	110	08/07/2024

Batch 226765 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080279-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025	S	**0.074**	0.1250	0	59.5	0.07328	1.46	08/07/2024

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/08/2024

Batch 226818 **SampType:** LCS Units **mg/L**
SampID: LCS 240807 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	98.1	90	110	08/08/2024

Batch 226818 **SampType:** MS Units **mg/L**
SampID: 24071451-007EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.017**	0.0250	0	69.5	75	125	08/08/2024

Batch 226818 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-007EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	S	**0.017**	0.0250	0	67.4	0.01738	3.16	08/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9012A (TOTAL)

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

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/08/2024

Batch 226820 **SampType:** LCS Units **mg/L**
SampID: LCS 240807 TCN3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.9	85	115	08/08/2024

Batch 226820 **SampType:** MS Units **mg/L**
SampID: 24080359-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	98.0	75	125	08/08/2024

Batch 226820 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080359-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.0	0.02450	3.02	08/08/2024

Batch 226820 **SampType:** MS Units **mg/L**
SampID: 24080359-007DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.9	75	125	08/08/2024

Batch 226820 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080359-007DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.7	0.02522	2.16	08/08/2024

Batch 226879 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240808 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/09/2024

Batch 226879 **SampType:** LCS Units **mg/L**
SampID: LCS 240808 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.3	85	115	08/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9012A (TOTAL)

Batch 226879 **SampType:** MS Units **mg/L**
SampID: 24080513-002EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.6	75	125	08/09/2024

Batch 226879 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080513-002EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	98.5	0.02491	1.15	08/09/2024

Batch 226879 **SampType:** MS Units **mg/L**
SampID: 24080513-010EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0.001550	96.8	75	125	08/09/2024

Batch 226879 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080513-010EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0.001550	101.5	0.02576	4.46	08/09/2024

Batch 226930 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240809 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/12/2024

Batch 226930 **SampType:** LCS Units **mg/L**
SampID: LCS 240809 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	91.2	90	110	08/12/2024

Batch 227393 **SampType:** MBLK Units **mg/L**
SampID: MBLK 240820 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	08/22/2024

Batch 227393 **SampType:** LCS Units **mg/L**
SampID: LCS 240820 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.4	90	110	08/22/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9012A (TOTAL)

Batch 227393 **SampType:** MS Units **mg/L**
SampID: 24081349-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.122**	0.1250	0	97.5	90	110	08/22/2024

Batch 227393 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24081349-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.123**	0.1250	0	98.5	0.1218	1.02	08/22/2024

Batch 227393 **SampType:** MS Units **mg/L**
SampID: 24081364-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.030**	0.0250	0.008085	88.0	90	110	08/22/2024

Batch 227393 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24081364-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	S	**0.028**	0.0250	0.008085	81.4	0.03008	5.66	08/22/2024

SW-846 9036 (DISSOLVED)

Batch R351209 **SampType:** MS Units **mg/L**
SampID: 24071451-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	E	**109**	40.00	74.09	88.1	85	115	08/02/2024

Batch R351209 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**113**	40.00	74.09	96.7	109.3	3.08	08/02/2024

Batch R351209 **SampType:** MS Units **mg/L**
SampID: 24071451-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	E	**54**	20.00	36.52	89.9	85	115	08/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9036 (DISSOLVED)

Batch R351209 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-031BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	E	**55**	20.00	36.52	92.6	54.50	0.99	08/02/2024

Batch R351305 **SampType:** MS Units **mg/L**
SampID: 24071451-034BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**171**	100.0	79.20	91.9	85	115	08/06/2024

Batch R351305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-034BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**174**	100.0	79.20	94.8	171.1	1.65	08/06/2024

Batch R351398 **SampType:** MS Units **mg/L**
SampID: 24071451-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**90**	40.00	50.64	99.3	85	115	08/07/2024

Batch R351398 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**90**	40.00	50.64	98.2	90.35	0.48	08/07/2024

Batch R351398 **SampType:** MS Units **mg/L**
SampID: 24080359-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**209**	100.0	114.5	94.0	85	115	08/07/2024

Batch R351398 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080359-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**215**	100.0	114.5	100.5	208.5	3.04	08/07/2024

Batch R351547 **SampType:** MS Units **mg/L**
SampID: 24071451-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**316**	200.0	133.2	91.4	85	115	08/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9036 (DISSOLVED)

Batch R351547 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**314**	200.0	133.2	90.5	316.0	0.57	08/09/2024

Batch R351547 **SampType:** MS Units **mg/L**
SampID: 24071451-044BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**97**	40.00	55.40	103.6	85	115	08/09/2024

Batch R351547 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-044BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**99**	40.00	55.40	108.9	96.84	2.18	08/09/2024

Batch R351547 **SampType:** MS Units **mg/L**
SampID: 24071451-098BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**90**	40.00	49.59	100.8	85	115	08/09/2024

Batch R351547 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-098BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**93**	40.00	49.59	108.6	89.89	3.43	08/09/2024

Batch R351845 **SampType:** MS Units **mg/L**
SampID: 24080823-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**473**	200.0	298.6	87.3	85	115	08/15/2024

Batch R351845 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080823-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**486**	200.0	298.6	93.9	473.3	2.75	08/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351209 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/02/2024

Batch R351209 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226428

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	*	10	J	**9**	9.400	0	100.0	-100	100	08/02/2024

Batch R351209 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.6	90	110	08/02/2024

Batch R351209 **SampType:** MS Units **mg/L**
SampID: 24072398-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**23**	20.00	9.380	70.0	90	110	08/02/2024

Batch R351209 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072398-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**24**	20.00	9.380	70.8	23.39	0.68	08/02/2024

Batch R351305 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/06/2024

Batch R351305 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**18**	20.00	0	92.2	90	110	08/06/2024

Batch R351305 **SampType:** MS Units **mg/L**
SampID: 24072470-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**186**	100.0	88.42	97.9	85	115	08/06/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072470-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**183**	100.0	88.42	94.3	186.3	1.95	08/06/2024

Batch R351305 **SampType:** MS Units **mg/L**
SampID: 24072589-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**432**	200.0	233.8	98.9	85	115	08/06/2024

Batch R351305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072589-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**442**	200.0	233.8	104.1	431.6	2.40	08/06/2024

Batch R351305 **SampType:** MS Units **mg/L**
SampID: 24072590-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**410**	200.0	218.9	95.3	85	115	08/06/2024

Batch R351305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072590-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**413**	200.0	218.9	97.2	409.6	0.89	08/06/2024

Batch R351305 **SampType:** MS Units **mg/L**
SampID: 24072591-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**203**	100.0	103.7	98.8	85	115	08/06/2024

Batch R351305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072591-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**203**	100.0	103.7	99.4	202.5	0.25	08/06/2024

Batch R351305 **SampType:** MS Units **mg/L**
SampID: 24072592-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	E	**262**	100.0	156.2	105.6	85	115	08/06/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24072592-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	E	**271**	100.0	156.2	114.8	261.8	3.46	08/06/2024

Batch R351305 **SampType:** MS Units **mg/L**
SampID: 24080304-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100	E	**505**	200.0	307.2	98.9	90	110	08/06/2024

Batch R351305 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080304-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100	E	**512**	200.0	307.2	102.6	505.1	1.43	08/06/2024

Batch R351398 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/07/2024

Batch R351398 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	95.2	90	110	08/07/2024

Batch R351398 **SampType:** MS Units **mg/L**
SampID: 24071451-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**250**	100.0	146.4	103.3	85	115	08/07/2024

Batch R351398 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	E	**253**	100.0	146.4	106.9	249.6	1.44	08/07/2024

Batch R351398 **SampType:** MS Units **mg/L**
SampID: 24080156-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		1000		**3590**	2000	1771	90.8	90	110	08/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351398 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080156-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		1000		**3650**	2000	1771	93.7	3587	1.64	08/07/2024

Batch R351398 **SampType:** MS Units **mg/L**
SampID: 24080228-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	E	**271**	100.0	170.6	100.2	90	110	08/07/2024

Batch R351398 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080228-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	E	**272**	100.0	170.6	101.3	270.8	0.41	08/07/2024

Batch R351547 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/09/2024

Batch R351547 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**18**	20.00	0	90.3	90	110	08/09/2024

Batch R351547 **SampType:** MS Units **mg/L**
SampID: 24080678-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	E	**57**	20.00	38.22	91.9	90	110	08/09/2024

Batch R351547 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080678-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	E	**59**	20.00	38.22	101.7	56.60	3.39	08/09/2024

Batch R351547 **SampType:** MS Units **mg/L**
SampID: 24080680-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	E	**52**	20.00	33.15	95.8	90	110	08/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351547 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080680-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	E	**53**	20.00	33.15	99.2	52.31	1.29	08/09/2024

Batch R351547 **SampType:** MS Units **mg/L**
SampID: 24080862-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		5000		**20800**	10000	11000	98.3	90	110	08/09/2024

Batch R351547 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080862-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		5000		**21300**	10000	11000	103.3	20830	2.34	08/09/2024

Batch R351588 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/12/2024

Batch R351588 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**19**	20.00	0	94.4	90	110	08/12/2024

Batch R351588 **SampType:** MS Units **mg/L**
SampID: 24071451-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**72**	40.00	35.11	91.0	85	115	08/12/2024

Batch R351588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20		**71**	40.00	35.11	88.9	71.53	1.21	08/12/2024

Batch R351588 **SampType:** MS Units **mg/L**
SampID: 24071451-042AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	E	**112**	40.00	74.18	94.1	85	115	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-042AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**115**	40.00	74.18	102.3	111.8	2.89	08/12/2024

Batch R351588 **SampType:** MS Units **mg/L**
SampID: 24071451-044AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		**100**	40.00	64.57	88.6	85	115	08/12/2024

Batch R351588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-044AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**104**	40.00	64.57	97.8	99.99	3.65	08/12/2024

Batch R351588 **SampType:** MS Units **mg/L**
SampID: 24071451-058AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	E	**109**	40.00	70.30	96.8	85	115	08/12/2024

Batch R351588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-058AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20	E	**108**	40.00	70.30	94.4	109.0	0.88	08/12/2024

Batch R351588 **SampType:** MS Units **mg/L**
SampID: 24081024-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**228**	100.0	124.6	103.3	90	110	08/12/2024

Batch R351588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081024-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**227**	100.0	124.6	102.9	227.9	0.20	08/12/2024

Batch R351588 **SampType:** MS Units **mg/L**
SampID: 24081026-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100	E	**519**	200.0	337.3	90.8	90	110	08/13/2024

Teklab, Inc.
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Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081026-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100	E	**529**	200.0	337.3	95.8	518.9	1.91	08/13/2024

Batch R351588 **SampType:** MS Units **mg/L**
SampID: 24081027-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100	E	**532**	200.0	332.5	99.7	90	110	08/13/2024

Batch R351588 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24081027-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100	E	**521**	200.0	332.5	94.4	531.9	2.05	08/13/2024

Batch R351696 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/13/2024

Batch R351696 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**18**	20.00	0	92.4	90	110	08/13/2024

Batch R351696 **SampType:** MS Units **mg/L**
SampID: 24080553-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	**20**	20.00	7.020	65.7	85	115	08/13/2024

Batch R351696 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080553-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10	S	**22**	20.00	7.020	73.5	20.15	7.50	08/13/2024

Batch R351696 **SampType:** MS Units **mg/L**
SampID: 24080553-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**44**	20.00	23.54	100.4	85	115	08/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351696 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080553-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**44**	20.00	23.54	104.2	43.63	1.73	08/13/2024

Batch R351696 **SampType:** MS Units **mg/L**
SampID: 24080553-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**31**	20.00	12.99	89.2	85	115	08/13/2024

Batch R351696 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080553-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		10		**30**	20.00	12.99	86.9	30.82	1.47	08/13/2024

Batch R351696 **SampType:** MS Units **mg/L**
SampID: 24080717-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	SH	**149**	100.0	65.75	82.8	90	110	08/13/2024

Batch R351696 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080717-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	SH	**150**	100.0	65.75	84.2	148.6	0.89	08/13/2024

Batch R351696 **SampType:** MS Units **mg/L**
SampID: 24080717-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**363**	200.0	158.3	102.3	90	110	08/13/2024

Batch R351696 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080717-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**362**	200.0	158.3	102.0	362.8	0.12	08/13/2024

Batch R351845 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		**< 10**	6.140	0	0	-100	100	08/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351845 **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	93.8	90	110	08/15/2024

Batch R351845 **SampType:** MS Units **mg/L**
SampID: 24071451-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**169**	100.0	75.41	93.1	85	115	08/15/2024

Batch R351845 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**176**	100.0	75.41	100.4	168.5	4.24	08/15/2024

Batch R351845 **SampType:** MS Units **mg/L**
SampID: 24071451-077AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50		**186**	100.0	87.05	98.8	85	115	08/15/2024

Batch R351845 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24071451-077AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50		**187**	100.0	87.05	100.4	185.8	0.87	08/15/2024

Batch R351845 **SampType:** MS Units **mg/L**
SampID: 24080820-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		50	E	**258**	100.0	165.4	92.8	85	115	08/15/2024

Batch R351845 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080820-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		50	E	**258**	100.0	165.4	92.2	258.2	0.26	08/15/2024

Batch R351845 **SampType:** MS Units **mg/L**
SampID: 24080823-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		100		**487**	200.0	284.1	101.5	85	115	08/15/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351845 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24080823-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		100		**470**	200.0	284.1	93.1	487.1	3.50	08/15/2024

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351389 **SampType:** MS Units **mg/L**
SampID: 24071451-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.3**	10.00	0.2670	100.0	80	120	08/07/2024

Batch R351389 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.2670	99.6	10.27	0.42	08/07/2024

Batch R351389 **SampType:** MS Units **mg/L**
SampID: 24071451-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.2570	99.6	80	120	08/07/2024

Batch R351389 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.2570	99.8	10.22	0.18	08/07/2024

Batch R351389 **SampType:** MS Units **mg/L**
SampID: 24071451-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.3**	10.00	0.2720	99.8	80	120	08/07/2024

Batch R351389 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.2720	99.5	10.25	0.31	08/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351419 **SampType:** MS Units **mg/L**
SampID: 24071451-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.3040	98.6	80	120	08/08/2024

Batch R351419 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.3040	99.4	10.16	0.80	08/08/2024

Batch R351606 **SampType:** MS Units **mg/L**
SampID: 24071451-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.5**	10.00	0.5660	99.0	80	120	08/13/2024

Batch R351606 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.5**	10.00	0.5660	99.1	10.46	0.12	08/13/2024

Batch R351606 **SampType:** MS Units **mg/L**
SampID: 24071451-024BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.4**	10.00	0.4570	99.3	80	120	08/13/2024

Batch R351606 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-024BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.4**	10.00	0.4570	99.7	10.38	0.38	08/13/2024

Batch R351606 **SampType:** MS Units **mg/L**
SampID: 24071451-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.8**	10.00	0.9060	99.3	80	120	08/13/2024

Batch R351606 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.8**	10.00	0.9060	99.3	10.84	0.02	08/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351606 **SampType:** MS Units **mg/L**
SampID: 24071451-026BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.7**	10.00	0.7180	100.2	80	120	08/13/2024

Batch R351606 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-026BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.7**	10.00	0.7180	99.3	10.74	0.87	08/13/2024

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351389 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						08/07/2024

Batch R351389 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.01**	1.000	0	101.4	90	110	08/07/2024

Batch R351389 **SampType:** MS Units **mg/L**
SampID: 24071451-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.3060	99.3	80	120	08/07/2024

Batch R351389 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.3**	10.00	0.3060	99.7	10.23	0.47	08/07/2024

Batch R351389 **SampType:** MS Units **mg/L**
SampID: 24071451-012AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.3**	10.00	0.3330	100.1	80	120	08/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351389 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-012AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.3**	10.00	0.3330	99.5	10.34	0.53	08/07/2024

Batch R351389 **SampType:** MS Units **mg/L**
SampID: 24080156-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.10	S	**0.88**	2.000	0.02840	42.6	80	120	08/07/2024

Batch R351389 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080156-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.10	S	**0.84**	2.000	0.02840	40.8	0.8814	4.26	08/07/2024

Batch R351389 **SampType:** MS Units **mg/L**
SampID: 24080305-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.18**	2.000	0.1666	100.7	80	120	08/07/2024

Batch R351389 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080305-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.19**	2.000	0.1666	101.0	2.181	0.23	08/07/2024

Batch R351419 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						08/08/2024

Batch R351419 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**0.99**	1.000	0	98.6	90	110	08/08/2024

Batch R351419 **SampType:** MS Units **mg/L**
SampID: 24071451-044AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.3140	99.0	80	120	08/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351419 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-044AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.3140	99.0	10.21	0.07	08/08/2024

Batch R351419 **SampType:** MS Units **mg/L**
SampID: 24080678-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.2**	10.00	0.3010	98.9	80	120	08/08/2024

Batch R351419 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080678-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0.3010	99.5	10.19	0.64	08/08/2024

Batch R351419 **SampType:** MS Units **mg/L**
SampID: 24080715-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.8410	98.4	80	120	08/08/2024

Batch R351419 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080715-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.8410	98.9	10.68	0.49	08/08/2024

Batch R351606 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						08/13/2024

Batch R351606 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**0.99**	1.000	0	98.9	90	110	08/13/2024

Batch R351606 **SampType:** MS Units **mg/L**
SampID: 24071451-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.9**	10.00	0.8930	99.6	80	120	08/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351606 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.9**	10.00	0.8930	99.7	10.85	0.05	08/13/2024

Batch R351606 **SampType:** MS Units **mg/L**
SampID: 24071451-028AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.50		**10.2**	10.00	0.3960	98.4	80	120	08/13/2024

Batch R351606 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-028AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride	*	0.50		**10.3**	10.00	0.3960	99.2	10.24	0.74	08/13/2024

SW-846 9066 (TOTAL)

Batch R351148 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	08/02/2024

Batch R351148 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.049**	0.0500	0	98.2	90	110	08/02/2024

Batch R351148 **SampType:** MS Units **µg/L**
SampID: 24071451-030FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**49**	50.00	0	98.5	85	115	08/02/2024

Batch R351148 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24071451-030FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**51**	50.00	0	101.0	49.26	2.51	08/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9066 (TOTAL)

Batch R351148 **SampType:** MS Units **mg/L**
SampID: 24080025-002EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.025		**0.256**	0.2500	0	102.6	90	110	08/02/2024

Batch R351148 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080025-002EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.025		**0.262**	0.2500	0	104.6	0.2565	1.99	08/02/2024

Batch R351148 **SampType:** MS Units **mg/L**
SampID: 24080094-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.055**	0.0500	0.003860	101.9	90	110	08/02/2024

Batch R351148 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080094-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.053**	0.0500	0.003860	98.3	0.05481	3.34	08/02/2024

Batch R351322 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	08/06/2024

Batch R351322 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.050**	0.0500	0	99.6	90	110	08/06/2024

Batch R351322 **SampType:** MS Units **mg/L**
SampID: 24080065-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.050		**0.551**	0.5000	0.05054	100.1	90	110	08/06/2024

Batch R351322 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080065-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.050		**0.556**	0.5000	0.05054	101.2	0.5511	0.94	08/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9066 (TOTAL)

Batch R351322 **SampType:** MS Units **mg/L**
SampID: 24080184-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.078**	0.0500	0.01632	123.3	90	110	08/06/2024

Batch R351322 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080184-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.080**	0.0500	0.01632	127.4	0.07799	2.59	08/06/2024

Batch R351322 **SampType:** MS Units **mg/L**
SampID: 24080282-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.065**	0.0500	0.003720	123.2	90	110	08/06/2024

Batch R351322 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080282-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.064**	0.0500	0.003720	121.3	0.06532	1.50	08/06/2024

Batch R351322 **SampType:** MS Units **mg/L**
SampID: 24080305-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.061**	0.0500	0.002900	116.2	90	110	08/06/2024

Batch R351322 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080305-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.059**	0.0500	0.002900	112.5	0.06100	3.10	08/06/2024

Batch R351359 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	08/07/2024

Batch R351359 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.051**	0.0500	0	102.6	90	110	08/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9066 (TOTAL)

Batch R351359 **SampType:** MS Units **mg/L**
SampID: 24080408-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.081**	0.0500	0.01071	140.0	90	110	08/07/2024

Batch R351359 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080408-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.078**	0.0500	0.01071	134.3	0.08073	3.61	08/07/2024

Batch R351359 **SampType:** MS Units **mg/L**
SampID: 24080416-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.071**	0.0500	0.007080	127.3	90	110	08/07/2024

Batch R351359 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080416-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.070**	0.0500	0.007080	126.8	0.07073	0.34	08/07/2024

Batch R351516 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	08/09/2024

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

Batch R351516 **SampType:** MS Units **µg/L**
SampID: 24071451-005FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**52**	50.00	0	104.3	85	115	08/09/2024

Batch R351516 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24071451-005FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**51**	50.00	0	101.9	52.16	2.39	08/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9066 (TOTAL)

Batch R351516 **SampType:** MS Units **µg/L**
SampID: 24071451-027FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**50**	50.00	0	100.7	85	115	08/09/2024

Batch R351516 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24071451-027FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**51**	50.00	0	102.1	50.35	1.34	08/09/2024

Batch R351516 **SampType:** MS Units **µg/L**
SampID: 24071451-037FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**54**	50.00	0	107.5	85	115	08/09/2024

Batch R351516 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24071451-037FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**54**	50.00	0	107.6	53.73	0.09	08/09/2024

Batch R351516 **SampType:** MS Units **µg/L**
SampID: 24071451-089FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**59**	50.00	8.190	102.6	85	115	08/09/2024

Batch R351516 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24071451-089FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**61**	50.00	8.190	105.8	59.49	2.62	08/09/2024

Batch R351516 **SampType:** MS Units **mg/L**
SampID: 24080573-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.063**	0.0500	0.003890	119.2	90	110	08/09/2024

Batch R351516 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080573-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.066**	0.0500	0.003890	124.0	0.06349	3.73	08/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9066 (TOTAL)

Batch R351516 **SampType:** MS Units **mg/L**
SampID: 24080791-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.064**	0.0500	0.003960	119.2	90	110	08/09/2024

Batch R351516 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080791-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.061**	0.0500	0.003960	114.6	0.06356	3.72	08/09/2024

Batch R351660 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**< 0.005**	0.0028	0	0	-100	100	08/13/2024

Batch R351660 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.047**	0.0500	0	93.3	90	110	08/13/2024

Batch R351660 **SampType:** MS Units **µg/L**
SampID: 24071451-044FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**51**	50.00	0	102.7	85	115	08/13/2024

Batch R351660 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24071451-044FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**52**	50.00	0	104.3	51.34	1.55	08/13/2024

Batch R351660 **SampType:** MS Units **µg/L**
SampID: 24080600-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**50**	50.00	0	100.8	85	115	08/13/2024

Batch R351660 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24080600-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**51**	50.00	0	101.4	50.38	0.59	08/13/2024

Teklab, Inc.
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Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9066 (TOTAL)

Batch R351660 **SampType:** MS Units **µg/L**
SampID: 24080810-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**53**	50.00	0	105.8	85	115	08/13/2024

Batch R351660 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24080810-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**54**	50.00	0	107.0	52.89	1.18	08/13/2024

Batch R351660 **SampType:** MS Units **mg/L**
SampID: 24081005-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0	107.4	90	110	08/13/2024

Batch R351660 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24081005-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0	108.7	0.05368	1.26	08/13/2024

SW-846 9251 (DISSOLVED)

Batch R351226 **SampType:** MS Units **mg/L**
SampID: 24071451-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**23**	20.00	3.650	98.0	85	115	08/02/2024

Batch R351226 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**23**	20.00	3.650	98.1	23.24	0.13	08/02/2024

Batch R351226 **SampType:** MS Units **mg/L**
SampID: 24071451-031BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**57**	20.00	36.98	98.6	85	115	08/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9251 (DISSOLVED)

Batch R351226 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-031BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**57**	20.00	36.98	98.6	56.69	0.04	08/02/2024

Batch R351226 **SampType:** MS Units **mg/L**
SampID: 24071451-034BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**66**	20.00	43.63	111.5	85	115	08/02/2024

Batch R351226 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-034BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**65**	20.00	43.63	109.0	65.93	0.78	08/02/2024

Batch R351406 **SampType:** MS Units **mg/L**
SampID: 24071451-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**71**	40.00	35.24	89.3	85	115	08/07/2024

Batch R351406 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**70**	40.00	35.24	87.0	70.95	1.26	08/07/2024

Batch R351406 **SampType:** MS Units **mg/L**
SampID: 24080359-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**136**	100.0	42.97	93.3	85	115	08/07/2024

Batch R351406 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080359-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**138**	100.0	42.97	94.7	136.3	1.03	08/07/2024

Batch R351555 **SampType:** MS Units **mg/L**
SampID: 24071451-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**151**	100.0	58.68	92.3	85	115	08/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9251 (DISSOLVED)

Batch R351555 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**153**	100.0	58.68	94.4	151.0	1.39	08/09/2024

Batch R351555 **SampType:** MS Units **mg/L**
SampID: 24071451-044BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**30**	20.00	12.60	88.8	85	115	08/09/2024

Batch R351555 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-044BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**31**	20.00	12.60	89.6	30.36	0.53	08/09/2024

Batch R351555 **SampType:** MS Units **mg/L**
SampID: 24071451-098BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**27**	20.00	8.010	92.5	85	115	08/09/2024

Batch R351555 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-098BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**27**	20.00	8.010	92.6	26.51	0.04	08/09/2024

Batch R351860 **SampType:** MS Units **mg/L**
SampID: 24080823-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		200		**1520**	1000	606.4	91.8	85	115	08/15/2024

Batch R351860 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080823-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		200		**1520**	1000	606.4	91.8	1524	0.03	08/15/2024

Batch R351860 **SampType:** MS Units **mg/L**
SampID: 24080857-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**66**	20.00	47.08	95.2	85	115	08/15/2024

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Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9251 (DISSOLVED)

Batch R351860 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080857-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**66**	20.00	47.08	95.4	66.11	0.09	08/15/2024

SW-846 9251 (TOTAL)

Batch R351226 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/02/2024

Batch R351226 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	101.0	90	110	08/02/2024

Batch R351226 **SampType:** MS Units **mg/L**
SampID: 24072311-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**21**	20.00	1.160	99.7	85	115	08/03/2024

Batch R351226 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24072311-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**21**	20.00	1.160	100.0	21.10	0.28	08/03/2024

Batch R351226 **SampType:** MS Units **mg/L**
SampID: 24072398-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**25**	20.00	5.650	97.8	85	115	08/02/2024

Batch R351226 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24072398-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**25**	20.00	5.650	98.0	25.22	0.08	08/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9251 (TOTAL)

Batch R351307 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/06/2024

Batch R351307 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**19**	20.00	0	95.7	90	110	08/06/2024

Batch R351406 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/07/2024

Batch R351406 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	97.5	90	110	08/07/2024

Batch R351406 **SampType:** MS Units **mg/L**
SampID: 24071451-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**28**	20.00	9.330	94.5	85	115	08/07/2024

Batch R351406 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**28**	20.00	9.330	93.9	28.23	0.43	08/07/2024

Batch R351406 **SampType:** MS Units **mg/L**
SampID: 24080156-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		200		**2300**	1000	1338	95.9	85	115	08/07/2024

Batch R351406 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080156-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		200		**2240**	1000	1338	89.9	2297	2.63	08/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9251 (TOTAL)

Batch R351406 **SampType:** MS Units **mg/L**
SampID: 24080228-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**222**	100.0	133.5	88.2	85	115	08/07/2024

Batch R351406 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080228-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**222**	100.0	133.5	88.9	221.6	0.33	08/07/2024

Batch R351555 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/09/2024

Batch R351555 **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	96.0	90	110	08/09/2024

Batch R351555 **SampType:** MS Units **mg/L**
SampID: 24080456-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**364**	200.0	190.2	86.9	85	115	08/09/2024

Batch R351555 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080456-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**362**	200.0	190.2	86.1	364.0	0.44	08/09/2024

Batch R351555 **SampType:** MS Units **mg/L**
SampID: 24080678-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8	E	**109**	40.00	72.92	90.3	85	115	08/09/2024

Batch R351555 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080678-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8	E	**112**	40.00	72.92	98.3	109.0	2.88	08/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9251 (TOTAL)

Batch R351555 **SampType:** MS Units **mg/L**
SampID: 24080680-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**244**	100.0	149.4	94.6	85	115	08/09/2024

Batch R351555 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080680-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**235**	100.0	149.4	85.2	244.0	3.95	08/09/2024

Batch R351555 **SampType:** MS Units **mg/L**
SampID: 24080862-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		2000		**18200**	10000	9312	89.1	85	115	08/09/2024

Batch R351555 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080862-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		2000		**18300**	10000	9312	89.8	18220	0.40	08/09/2024

Batch R351636 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/12/2024

Batch R351636 **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	98.4	90	110	08/12/2024

Batch R351636 **SampType:** MS Units **mg/L**
SampID: 24071451-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**23**	20.00	3.730	96.8	85	115	08/12/2024

Batch R351636 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**23**	20.00	3.730	97.0	23.10	0.09	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9251 (TOTAL)

Batch R351636 **SampType:** MS Units **mg/L**
SampID: 24071451-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**55**	20.00	36.86	93.0	85	115	08/12/2024

Batch R351636 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**56**	20.00	36.86	95.4	55.46	0.88	08/12/2024

Batch R351636 **SampType:** MS Units **mg/L**
SampID: 24071451-042AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**52**	20.00	34.27	90.9	85	115	08/12/2024

Batch R351636 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-042AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**53**	20.00	34.27	92.6	52.44	0.67	08/12/2024

Batch R351636 **SampType:** MS Units **mg/L**
SampID: 24071451-044AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**33**	20.00	14.15	94.4	85	115	08/12/2024

Batch R351636 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-044AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**33**	20.00	14.15	94.9	33.02	0.33	08/12/2024

Batch R351636 **SampType:** MS Units **mg/L**
SampID: 24071451-058AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**39**	20.00	20.78	91.4	85	115	08/12/2024

Batch R351636 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-058AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**39**	20.00	20.78	89.6	39.05	0.93	08/12/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 9251 (TOTAL)

Batch R351636 **SampType:** MS Units **mg/L**
SampID: 24071451-077AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**26**	20.00	6.260	97.2	85	115	08/12/2024

Batch R351636 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24071451-077AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**26**	20.00	6.260	98.0	25.69	0.70	08/12/2024

Batch R351636 **SampType:** MS Units **mg/L**
SampID: 24081027-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**27**	20.00	8.220	96.0	85	115	08/13/2024

Batch R351636 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24081027-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**28**	20.00	8.220	96.7	27.41	0.55	08/13/2024

Batch R351708 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/13/2024

Batch R351708 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	100.5	90	110	08/13/2024

Batch R351708 **SampType:** MS Units **mg/L**
SampID: 24080552-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**63**	20.00	42.42	101.7	85	115	08/13/2024

Batch R351708 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080552-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**62**	20.00	42.42	99.4	62.76	0.74	08/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9251 (TOTAL)

Batch R351708 **SampType:** MS Units **mg/L**
SampID: 24080553-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**33**	20.00	14.12	93.4	85	115	08/13/2024

Batch R351708 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080553-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**33**	20.00	14.12	94.6	32.81	0.67	08/13/2024

Batch R351708 **SampType:** MS Units **mg/L**
SampID: 24080553-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		8		**84**	40.00	47.68	89.9	85	115	08/13/2024

Batch R351708 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080553-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		8		**84**	40.00	47.68	89.6	83.63	0.14	08/13/2024

Batch R351708 **SampType:** MS Units **mg/L**
SampID: 24080553-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**26**	20.00	6.760	94.4	85	115	08/13/2024

Batch R351708 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080553-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**26**	20.00	6.760	94.4	25.65	0.04	08/13/2024

Batch R351708 **SampType:** MS Units **mg/L**
SampID: 24080717-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**277**	200.0	89.29	94.0	85	115	08/13/2024

Batch R351708 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080717-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**279**	200.0	89.29	94.8	277.2	0.60	08/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9251 (TOTAL)

Batch R351860 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

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

Batch R351860 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.3	90	110	08/15/2024

Batch R351860 **SampType:** MS Units **mg/L**
SampID: 24080717-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	H	**34**	20.00	15.42	90.8	85	115	08/15/2024

Batch R351860 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080717-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	H	**34**	20.00	15.42	91.1	33.58	0.18	08/15/2024

Batch R351860 **SampType:** MS Units **mg/L**
SampID: 24080855-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		**872**	400.0	507.2	91.1	85	115	08/15/2024

Batch R351860 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080855-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		**858**	400.0	507.2	87.8	871.7	1.54	08/15/2024

Batch R352062 **SampType:** MBLK Units **mg/L**
SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**< 4**	0.5000	0	0	-100	100	08/20/2024

Batch R352062 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**20**	20.00	0	98.6	90	110	08/20/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9251 (TOTAL)

Batch R352062 **SampType:** MS Units **mg/L**
SampID: 24080242-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**47**	20.00	28.68	91.0	85	115	08/20/2024

Batch R352062 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080242-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**46**	20.00	28.68	89.0	46.87	0.84	08/20/2024

Batch R352062 **SampType:** MS Units **mg/L**
SampID: 24080242-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	**55**	20.00	37.19	87.8	85	115	08/20/2024

Batch R352062 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080242-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	**55**	20.00	37.19	87.0	54.74	0.26	08/20/2024

Batch R352062 **SampType:** MS Units **mg/L**
SampID: 24080243-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		20		**204**	100.0	108.5	95.2	85	115	08/20/2024

Batch R352062 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080243-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		20		**200**	100.0	108.5	91.7	203.7	1.71	08/20/2024

Batch R352062 **SampType:** MS Units **mg/L**
SampID: 24080243-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		40		**358**	200.0	175.5	91.5	85	115	08/20/2024

Batch R352062 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24080243-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		40		**359**	200.0	175.5	91.8	358.5	0.20	08/20/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 9251 (TOTAL)

Batch R352062 **SampType:** MS Units **mg/L**
SampID: 24081588-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		**27**	20.00	8.000	97.2	85	115	08/20/2024

Batch R352062 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24081588-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4		**27**	20.00	8.000	97.2	27.44	0.04	08/20/2024

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

Batch 226703 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226703

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/06/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/06/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/06/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/06/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/06/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/06/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/06/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/06/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/06/2024

Batch 226703 **SampType:** LCS Units **mg/L**
SampID: LCS-226703

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		**0.457**	0.5000	0	91.4	85	115	08/06/2024
Calcium		0.100		**2.43**	2.500	0	97.2	85	115	08/06/2024
Cobalt		0.0050		**0.481**	0.5000	0	96.2	85	115	08/06/2024
Iron		0.0400		**1.90**	2.000	0	94.8	85	115	08/06/2024
Magnesium		0.0500		**2.22**	2.500	0	88.9	85	115	08/06/2024
Manganese		0.0070		**0.473**	0.5000	0	94.5	85	115	08/06/2024
Molybdenum		0.0100		**0.465**	0.5000	0	92.9	85	115	08/06/2024
Potassium		0.100		**2.61**	2.500	0	104.3	85	115	08/06/2024
Sodium		0.0500		**2.43**	2.500	0	97.2	85	115	08/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226703 **SampType:** MS Units **mg/L**
SampID: 24080305-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**1.90**	2.000	0	95.2	75	125	08/06/2024

Batch 226703 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24080305-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**1.87**	2.000	0	93.6	1.903	1.67	08/06/2024

Batch 226703 **SampType:** MS Units **mg/L**
SampID: 24080359-008CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	**42.3**	2.500	40.57	69.7	75	125	08/06/2024

Batch 226703 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24080359-008CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050	S	**41.8**	2.500	40.57	51.0	42.31	1.11	08/06/2024

Batch 226766 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226766

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/07/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/07/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/07/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/09/2024

Batch 226766 **SampType:** LCS Units **mg/L**
SampID: LCS-226766

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.48**	2.500	0	99.1	85	115	08/07/2024
Iron		0.0400		**1.90**	2.000	0	95.0	85	115	08/07/2024
Magnesium		0.0500		**2.39**	2.500	0	95.4	85	115	08/08/2024
Potassium		0.100		**2.55**	2.500	0	101.9	85	115	08/07/2024
Sodium		0.0500		**2.46**	2.500	0	98.6	85	115	08/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226766 **SampType:** MS Units **mg/L**
SampID: 24071451-014CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**78.8**	2.500	76.51	91.2	75	125	08/07/2024
Magnesium		0.050	S	**38.6**	2.500	35.44	128.0	75	125	08/08/2024
Potassium		0.100		**3.18**	2.500	0.5508	105.2	75	125	08/07/2024
Sodium		0.050	S	**41.3**	2.500	39.53	72.0	75	125	08/07/2024

Batch 226766 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24071451-014CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**75.5**	2.500	76.51	-40.4	78.79	4.26	08/07/2024
Magnesium		0.050	S	**36.9**	2.500	35.44	57.0	38.64	4.71	08/08/2024
Potassium		0.100		**3.08**	2.500	0.5508	101.0	3.182	3.41	08/07/2024
Sodium		0.050	S	**39.8**	2.500	39.53	11.6	41.33	3.72	08/07/2024

Batch 226779 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226779

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/07/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	08/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/07/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	08/07/2024

Batch 226779 **SampType:** LCS Units **mg/L**
SampID: LCS-226779

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.45**	2.500	0	97.8	85	115	08/07/2024
Magnesium		0.050		**2.32**	2.500	0	92.7	85	115	08/08/2024
Potassium		0.100		**2.57**	2.500	0	102.6	85	115	08/07/2024
Sodium		0.050		**2.47**	2.500	0	98.9	85	115	08/07/2024

Batch 226779 **SampType:** MS Units **mg/L**
SampID: 24071451-013CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**91.6**	2.500	91.09	18.4	75	125	08/07/2024
Magnesium		0.050	S	**44.6**	2.500	43.14	57.1	75	125	08/08/2024
Potassium		0.100		**2.89**	2.500	0.2479	105.5	75	125	08/07/2024
Sodium		0.050	S	**59.2**	2.500	58.17	39.6	75	125	08/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226779 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24071451-013CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**92.1**	2.500	91.09	42.0	91.55	0.64	08/07/2024
Magnesium		0.050	S	**44.9**	2.500	43.14	70.9	44.56	0.77	08/08/2024
Potassium		0.100		**2.89**	2.500	0.2479	105.6	2.886	0.02	08/07/2024
Sodium		0.050	S	**59.1**	2.500	58.17	38.8	59.16	0.03	08/07/2024

Batch 226875 **SampType:** MBLK Units **mg/L**

SampID: MBLK-226875

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/12/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/08/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/08/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	08/12/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/12/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/08/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	08/12/2024

Batch 226875 **SampType:** LCS Units **mg/L**

SampID: LCS-226875

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.30**	2.500	0	92.1	85	115	08/08/2024
Calcium		0.100		**2.32**	2.500	0	92.7	85	115	08/08/2024
Calcium		0.100		**2.41**	2.500	0	96.3	85	115	08/12/2024
Magnesium		0.0500	S	**2.12**	2.500	0	84.7	85	115	08/08/2024
Magnesium		0.0500	S	**2.11**	2.500	0	84.3	85	115	08/08/2024
Magnesium		0.050		**2.20**	2.500	0	88.2	85	115	08/12/2024
Potassium		0.100		**2.46**	2.500	0	98.4	85	115	08/08/2024
Potassium		0.100		**2.47**	2.500	0	99.0	85	115	08/08/2024
Potassium		0.100		**2.50**	2.500	0	100.1	85	115	08/12/2024
Sodium		0.0500		**2.38**	2.500	0	95.0	85	115	08/08/2024
Sodium		0.0500		**2.37**	2.500	0	94.9	85	115	08/08/2024
Sodium		0.050		**2.42**	2.500	0	96.6	85	115	08/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226875 **SampType:** MS Units **mg/L**
SampID: 24080600-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	**50.9**	2.500	49.53	54.7	75	125	08/12/2024

Batch 226875 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24080600-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050	S	**51.1**	2.500	49.53	60.8	50.90	0.30	08/12/2024

Batch 226875 **SampType:** MS Units **mg/L**
SampID: 24080689-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	**36.9**	2.500	35.11	69.9	75	125	08/12/2024

Batch 226875 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24080689-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050	S	**36.6**	2.500	35.11	60.3	36.86	0.65	08/12/2024

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

Batch 226445 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226445

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/02/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/01/2024
Iron		0.0400	S	**0.0687**	0.0200	0	343.5	-100	100	08/02/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/01/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/02/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/02/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/02/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/01/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/02/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226445 **SampType:** LCS Units **mg/L**
SampID: LCS-226445

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.51**	2.500	0	100.6	85	115	08/01/2024
Magnesium		0.0500		**2.34**	2.500	0	93.6	85	115	08/01/2024
Potassium		0.100		**2.63**	2.500	0	105.3	85	115	08/01/2024
Sodium		0.0500		**2.50**	2.500	0	99.8	85	115	08/01/2024

Batch 226459 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226459

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/05/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/06/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/01/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/06/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/06/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/01/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/01/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/05/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/06/2024

Batch 226459 **SampType:** LCS Units **mg/L**
SampID: LCS-226459

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.68**	2.500	0	107.4	85	115	08/05/2024
Calcium		0.100		**2.51**	2.500	0	100.5	85	115	08/06/2024
Calcium		0.100		**2.60**	2.500	0	104.1	85	115	08/01/2024
Magnesium		0.0500		**2.47**	2.500	0	98.6	85	115	08/05/2024
Magnesium		0.0500		**2.49**	2.500	0	99.4	85	115	08/06/2024
Potassium		0.100		**2.70**	2.500	0	107.9	85	115	08/01/2024
Potassium		0.100		**2.72**	2.500	0	108.7	85	115	08/05/2024
Potassium		0.100		**2.63**	2.500	0	105.1	85	115	08/06/2024
Sodium		0.0500		**2.68**	2.500	0	107.2	85	115	08/01/2024
Sodium		0.0500		**2.62**	2.500	0	104.8	85	115	08/06/2024
Sodium		0.0500		**2.74**	2.500	0	109.8	85	115	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226542 **SampType:** MBLK Units **mg/L**

SampID: MBLK-226542

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/05/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/05/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/05/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/05/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/05/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/05/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/05/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/05/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/08/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/05/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/05/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/05/2024
Iron		0.0400	S	**0.0428**	0.0200	0	214.0	-100	100	08/05/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	08/05/2024
Lithium	*	0.0500		**< 0.0500**	0.0019	0	0	-100	100	08/05/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/05/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/08/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/05/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/05/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/05/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/05/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/05/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/05/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/08/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/05/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/05/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226542 **SampType:** LCS Units **mg/L**

SampID: LCS-226542

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.16**	2.000	0	108.0	85	115	08/05/2024
Antimony		0.0500		**0.553**	0.5000	0	110.6	85	115	08/05/2024
Arsenic		0.0250		**0.545**	0.5000	0	109.1	85	115	08/05/2024
Barium		0.0025		**2.15**	2.000	0	107.5	85	115	08/05/2024
Beryllium		0.0005		**0.0558**	0.0500	0	111.6	85	115	08/05/2024
Boron		0.0200		**0.527**	0.5000	0	105.5	85	115	08/05/2024
Cadmium		0.0020		**0.0545**	0.0500	0	109.0	85	115	08/05/2024
Calcium		0.100		**2.70**	2.500	0	107.9	85	115	08/05/2024
Calcium		0.100		**2.46**	2.500	0	98.2	85	115	08/08/2024
Chromium		0.0050		**0.219**	0.2000	0	109.3	85	115	08/05/2024
Cobalt		0.0050		**0.570**	0.5000	0	114.0	85	115	08/05/2024
Copper		0.0050		**0.282**	0.2500	0	112.6	85	115	08/05/2024
Iron		0.0400	B	**2.23**	2.000	0	111.5	85	115	08/05/2024
Lead		0.0150		**0.546**	0.5000	0	109.2	85	115	08/05/2024
Lithium	*	0.0500		**0.528**	0.5000	0	105.6	85	115	08/05/2024
Magnesium		0.0500		**2.32**	2.500	0	93.0	85	115	08/08/2024
Magnesium		0.0500		**2.54**	2.500	0	101.5	85	115	08/05/2024
Manganese		0.0070		**0.546**	0.5000	0	109.2	85	115	08/05/2024
Molybdenum		0.0100		**0.531**	0.5000	0	106.2	85	115	08/05/2024
Nickel		0.0050		**0.561**	0.5000	0	112.2	85	115	08/05/2024
Potassium		0.100		**2.68**	2.500	0	107.1	85	115	08/05/2024
Potassium		0.100		**2.67**	2.500	0	106.8	85	115	08/08/2024
Selenium		0.0400		**0.550**	0.5000	0	110.1	85	115	08/05/2024
Silver		0.0070		**0.0517**	0.0500	0	103.4	85	115	08/05/2024
Sodium		0.0500		**2.67**	2.500	0	107.0	85	115	08/05/2024
Sodium		0.0500		**2.61**	2.500	0	104.3	85	115	08/08/2024
Thallium		0.0500		**0.275**	0.2500	0	109.9	85	115	08/05/2024
Vanadium		0.0100		**0.551**	0.5000	0	110.3	85	115	08/05/2024
Zinc		0.0100		**0.548**	0.5000	0	109.5	85	115	08/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226542 **SampType:** MS Units **mg/L**
SampID: 24071451-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**92.7**	2.500	93.69	-39.6	75	125	08/05/2024
Magnesium		0.050	S	**45.8**	2.500	45.04	28.3	75	125	08/05/2024
Potassium		0.100		**3.19**	2.500	0.3873	112.0	75	125	08/05/2024
Sodium		0.050	S	**70.0**	2.500	69.73	9.2	75	125	08/05/2024

Batch 226542 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24071451-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**91.4**	2.500	93.69	-89.6	92.70	1.36	08/05/2024
Magnesium		0.050	S	**45.2**	2.500	45.04	8.0	45.75	1.12	08/05/2024
Potassium		0.100		**3.15**	2.500	0.3873	110.6	3.187	1.08	08/05/2024
Sodium		0.050	S	**68.7**	2.500	69.73	-41.2	69.96	1.82	08/05/2024

Batch 226542 **SampType:** MS Units **mg/L**
SampID: 24072498-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		**1.07**	0.5000	0.5054	113.4	75	125	08/05/2024

Batch 226542 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24072498-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0200		**1.06**	0.5000	0.5054	110.1	1.073	1.55	08/05/2024

Batch 226550 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226550

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/06/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/06/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/06/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/06/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/06/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/06/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/06/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/06/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/06/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226550 **SampType:** LCS Units **mg/L**
SampID: LCS-226550

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		**0.496**	0.5000	0	99.2	85	115	08/06/2024
Calcium		0.100		**2.54**	2.500	0	101.8	85	115	08/06/2024
Cobalt		0.0050		**0.526**	0.5000	0	105.2	85	115	08/06/2024
Copper		0.0050		**0.267**	0.2500	0	106.9	85	115	08/06/2024
Iron		0.0400		**2.12**	2.000	0	106.0	85	115	08/06/2024
Magnesium		0.0500		**2.42**	2.500	0	96.9	85	115	08/06/2024
Manganese		0.0070		**0.508**	0.5000	0	101.6	85	115	08/06/2024
Molybdenum		0.0100		**0.497**	0.5000	0	99.5	85	115	08/06/2024
Potassium		0.100		**2.73**	2.500	0	109.4	85	115	08/06/2024
Sodium		0.0500		**2.57**	2.500	0	102.8	85	115	08/06/2024

Batch 226550 **SampType:** MS Units **mg/L**
SampID: 24072589-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		**9.04**	0.5000	8.543	99.5	75	125	08/06/2024
Iron		0.0400		**2.25**	2.000	0.1538	105.0	75	125	08/06/2024
Manganese		0.0070		**0.572**	0.5000	0.04810	104.9	75	125	08/06/2024
Molybdenum		0.0100		**0.953**	0.5000	0.4290	104.7	75	125	08/06/2024

Batch 226550 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24072589-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0200	S	**8.86**	0.5000	8.543	62.6	9.041	2.06	08/06/2024
Iron		0.0400		**2.23**	2.000	0.1538	103.9	2.254	0.93	08/06/2024
Manganese		0.0070		**0.565**	0.5000	0.04810	103.4	0.5725	1.28	08/06/2024
Molybdenum		0.0100		**0.935**	0.5000	0.4290	101.1	0.9527	1.91	08/06/2024

Batch 226550 **SampType:** MS Units **mg/L**
SampID: 24072590-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		**7.25**	0.5000	6.746	101.5	75	125	08/06/2024
Iron		0.0400		**3.83**	2.000	1.727	105.2	75	125	08/07/2024
Manganese		0.0070		**0.812**	0.5000	0.2867	105.2	75	125	08/06/2024
Molybdenum		0.0100		**1.03**	0.5000	0.5044	104.7	75	125	08/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

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

Batch 226550 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24072590-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0200		**7.15**	0.5000	6.746	81.7	7.253	1.37	08/06/2024
Iron		0.0400		**3.71**	2.000	1.727	99.2	3.830	3.18	08/07/2024
Manganese		0.0070		**0.796**	0.5000	0.2867	102.0	0.8125	1.99	08/06/2024
Molybdenum		0.0100		**1.01**	0.5000	0.5044	100.1	1.028	2.25	08/06/2024

Batch 226569 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226569

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/05/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/05/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/05/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/05/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/05/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/05/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/05/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/05/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/05/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/05/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/05/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/05/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/05/2024
Lithium		0.0500		**< 0.0500**	0.0019	0	0	-100	100	08/05/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/05/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/05/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/05/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/05/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/05/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/05/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/05/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/05/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/05/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226569 **SampType:** LCS Units **mg/L**

SampID: LCS-226569

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.21**	2.000	0	110.5	85	115	08/05/2024
Antimony		0.0500		**0.564**	0.5000	0	112.7	85	115	08/05/2024
Arsenic		0.0250		**0.557**	0.5000	0	111.3	85	115	08/05/2024
Barium		0.0025		**2.21**	2.000	0	110.5	85	115	08/05/2024
Beryllium		0.0005		**0.0572**	0.0500	0	114.4	85	115	08/05/2024
Boron		0.0200		**0.539**	0.5000	0	107.8	85	115	08/05/2024
Cadmium		0.0020		**0.0565**	0.0500	0	113.0	85	115	08/05/2024
Calcium		0.100		**2.76**	2.500	0	110.5	85	115	08/05/2024
Chromium		0.0050		**0.225**	0.2000	0	112.4	85	115	08/05/2024
Cobalt		0.0050		**0.535**	0.5000	0	107.1	85	115	08/06/2024
Copper		0.0050		**0.274**	0.2500	0	109.4	85	115	08/06/2024
Iron		0.0400		**2.27**	2.000	0	113.5	85	115	08/05/2024
Lead		0.0150		**0.563**	0.5000	0	112.7	85	115	08/05/2024
Lithium		0.0500		**0.544**	0.5000	0	108.7	85	115	08/05/2024
Magnesium		0.0500		**2.60**	2.500	0	104.1	85	115	08/05/2024
Manganese		0.0070		**0.560**	0.5000	0	112.0	85	115	08/05/2024
Molybdenum		0.0100		**0.545**	0.5000	0	109.1	85	115	08/05/2024
Nickel		0.0050		**0.574**	0.5000	0	114.9	85	115	08/05/2024
Potassium		0.100		**2.76**	2.500	0	110.3	85	115	08/05/2024
Selenium		0.0400		**0.565**	0.5000	0	112.9	85	115	08/05/2024
Silver		0.0070		**0.0531**	0.0500	0	106.2	85	115	08/05/2024
Sodium		0.0500		**2.75**	2.500	0	110.2	85	115	08/05/2024
Thallium		0.0500		**0.279**	0.2500	0	111.6	85	115	08/05/2024
Vanadium		0.0100		**0.566**	0.5000	0	113.2	85	115	08/05/2024
Zinc		0.0100		**0.563**	0.5000	0	112.6	85	115	08/05/2024

Batch 226569 **SampType:** MS Units **mg/L**

SampID: 24071451-035CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**61.9**	2.500	56.00	234.8	75	125	08/05/2024
Magnesium		0.050	S	**31.2**	2.500	26.92	169.2	75	125	08/05/2024
Potassium		0.100		**3.38**	2.500	0.5302	114.1	75	125	08/05/2024
Sodium		0.050	S	**68.5**	2.500	63.24	209.2	75	125	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226569 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24071451-035CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**60.3**	2.500	56.00	172.4	61.87	2.55	08/05/2024
Magnesium		0.050	S	**30.2**	2.500	26.92	132.2	31.15	3.02	08/05/2024
Potassium		0.100		**3.29**	2.500	0.5302	110.4	3.384	2.79	08/05/2024
Sodium		0.050	S	**66.6**	2.500	63.24	136.0	68.47	2.71	08/05/2024

Batch 226569 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24080007-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.569**	0.5000	0	113.7	0.5489	3.53	08/05/2024
Barium		0.0025		**2.35**	2.000	0.1302	111.0	2.240	4.79	08/05/2024
Beryllium		0.0005		**0.0580**	0.0500	0	116.0	0.05550	4.41	08/05/2024
Boron		0.0200		**0.754**	0.5000	0.1984	111.1	0.7218	4.32	08/05/2024
Cadmium		0.0020		**0.0555**	0.0500	0	111.0	0.05300	4.61	08/05/2024
Chromium		0.0050		**0.229**	0.2000	0	114.5	0.2192	4.37	08/05/2024
Cobalt		0.0050		**0.581**	0.5000	0	116.2	0.5586	3.93	08/05/2024
Copper		0.0050		**0.293**	0.2500	0	117.2	0.2814	4.00	08/05/2024
Iron		0.0400		**5.30**	2.000	2.880	121.0	5.080	4.24	08/05/2024
Lead		0.0150		**0.557**	0.5000	0	111.3	0.5358	3.83	08/05/2024
Manganese		0.0070		**0.790**	0.5000	0.2194	114.0	0.7552	4.44	08/05/2024
Nickel		0.0050		**0.574**	0.5000	0	114.8	0.5532	3.71	08/05/2024
Selenium		0.0400		**0.560**	0.5000	0	112.1	0.5461	2.58	08/05/2024
Silver		0.0070		**0.0541**	0.0500	0	108.2	0.05150	4.92	08/05/2024
Vanadium		0.0100		**0.581**	0.5000	0.002000	115.7	0.5566	4.22	08/05/2024
Zinc		0.0100		**1.32**	0.5000	0.7423	116.0	1.274	3.72	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226612 **SampType:** MBLK Units **mg/L**

SampID: MBLK-226612

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**< 0.0250**	0.0127	0	0	-100	100	08/05/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	08/05/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	08/05/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/05/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	08/05/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	08/05/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/05/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/05/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/05/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	08/05/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	08/05/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/05/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	08/05/2024
Lithium	*	0.0500		**< 0.0500**	0.0019	0	0	-100	100	08/05/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/05/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	08/05/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	08/05/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	08/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/05/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/05/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/05/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/05/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	08/05/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	08/05/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226612 **SampType:** LCS Units **mg/L**

SampID: LCS-226612

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**2.19**	2.000	0	109.5	85	115	08/05/2024
Antimony		0.0500		**0.557**	0.5000	0	111.4	85	115	08/05/2024
Arsenic		0.0250		**0.548**	0.5000	0	109.6	85	115	08/05/2024
Barium		0.0025		**2.17**	2.000	0	108.5	85	115	08/05/2024
Beryllium		0.0005		**0.0557**	0.0500	0	111.4	85	115	08/05/2024
Boron		0.0200		**0.530**	0.5000	0	106.0	85	115	08/05/2024
Cadmium		0.0020		**0.0546**	0.0500	0	109.2	85	115	08/05/2024
Calcium		0.100		**2.73**	2.500	0	109.2	85	115	08/05/2024
Chromium		0.0050		**0.221**	0.2000	0	110.6	85	115	08/05/2024
Cobalt		0.0050		**0.568**	0.5000	0	113.7	85	115	08/05/2024
Copper		0.0050		**0.286**	0.2500	0	114.2	85	115	08/05/2024
Iron		0.0400		**2.24**	2.000	0	112.0	85	115	08/05/2024
Lead		0.0150		**0.549**	0.5000	0	109.7	85	115	08/05/2024
Lithium	*	0.0500		**0.541**	0.5000	0	108.2	85	115	08/05/2024
Magnesium		0.0500		**2.54**	2.500	0	101.7	85	115	08/05/2024
Manganese		0.0070		**0.548**	0.5000	0	109.6	85	115	08/05/2024
Molybdenum		0.0100		**0.535**	0.5000	0	107.0	85	115	08/05/2024
Nickel		0.0050		**0.562**	0.5000	0	112.4	85	115	08/05/2024
Potassium		0.100		**2.74**	2.500	0	109.7	85	115	08/05/2024
Selenium		0.0400		**0.545**	0.5000	0	109.0	85	115	08/05/2024
Silver		0.0070		**0.0527**	0.0500	0	105.4	85	115	08/05/2024
Sodium		0.0500		**2.77**	2.500	0	111.0	85	115	08/05/2024
Thallium		0.0500		**0.274**	0.2500	0	109.7	85	115	08/05/2024
Vanadium		0.0100		**0.556**	0.5000	0	111.3	85	115	08/05/2024
Zinc		0.0100		**0.550**	0.5000	0	110.0	85	115	08/05/2024

Batch 226612 **SampType:** MS Units **mg/L**

SampID: 24071451-077BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**92.3**	2.500	91.17	45.6	75	125	08/05/2024
Magnesium		0.050	S	**43.7**	2.500	41.86	72.6	75	125	08/05/2024
Potassium		0.100		**3.39**	2.500	0.5999	111.7	75	125	08/05/2024
Sodium		0.050		**31.0**	2.500	29.13	76.8	75	125	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226612 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24071451-077BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**91.7**	2.500	91.17	20.0	92.31	0.70	08/05/2024
Magnesium		0.050	S	**43.3**	2.500	41.86	59.1	43.68	0.78	08/05/2024
Potassium		0.100		**3.41**	2.500	0.5999	112.2	3.393	0.36	08/05/2024
Sodium		0.050		**31.1**	2.500	29.13	79.2	31.05	0.19	08/05/2024

Batch 226612 **SampType:** MS Units **mg/L**

SampID: 24072589-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		**9.56**	0.5000	9.108	89.9	75	125	08/05/2024
Iron		0.0400		**2.44**	2.000	0.1977	112.1	75	125	08/05/2024
Manganese		0.0070		**0.661**	0.5000	0.1054	111.2	75	125	08/05/2024
Molybdenum		0.0100		**1.24**	0.5000	0.7060	105.8	75	125	08/05/2024

Batch 226612 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24072589-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0200		**9.73**	0.5000	9.108	123.8	9.558	1.76	08/05/2024
Iron		0.0400		**2.45**	2.000	0.1977	112.6	2.440	0.41	08/05/2024
Manganese		0.0070		**0.661**	0.5000	0.1054	111.1	0.6612	0.08	08/05/2024
Molybdenum		0.0100		**1.25**	0.5000	0.7060	108.7	1.235	1.17	08/05/2024

Batch 226738 **SampType:** MBLK Units **mg/L**

SampID: MBLK-226738

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/07/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	08/07/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/07/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226738 **SampType:** LCS Units **mg/L**
SampID: LCS-226738

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.63**	2.500	0	105.4	85	115	08/07/2024
Iron		0.0400		**2.08**	2.000	0	104.0	85	115	08/07/2024
Magnesium		0.0500		**2.57**	2.500	0	102.7	85	115	08/08/2024
Potassium		0.100		**2.71**	2.500	0	108.5	85	115	08/07/2024
Sodium		0.0500		**2.65**	2.500	0	105.9	85	115	08/07/2024

Batch 226738 **SampType:** MS Units **mg/L**
SampID: 24071451-012CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**101**	2.500	99.68	44.4	75	125	08/07/2024
Magnesium		0.050	S	**47.1**	2.500	45.36	68.9	75	125	08/08/2024
Potassium		0.100		**3.08**	2.500	0.3384	109.7	75	125	08/07/2024
Sodium		0.050	S	**53.8**	2.500	52.63	47.6	75	125	08/07/2024

Batch 226738 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24071451-012CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**101**	2.500	99.68	51.6	100.8	0.18	08/07/2024
Magnesium		0.050		**47.8**	2.500	45.36	98.2	47.08	1.54	08/08/2024
Potassium		0.100		**3.05**	2.500	0.3384	108.3	3.082	1.13	08/07/2024
Sodium		0.050	S	**53.7**	2.500	52.63	42.0	53.82	0.26	08/07/2024

Batch 226774 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226774

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/08/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/08/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226774 **SampType:** LCS Units **mg/L**
SampID: LCS-226774

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.59**	2.500	0	103.5	85	115	08/08/2024
Magnesium		0.0500		**2.52**	2.500	0	100.7	85	115	08/08/2024
Potassium		0.100		**2.79**	2.500	0	111.5	85	115	08/08/2024
Sodium		0.0500		**2.64**	2.500	0	105.6	85	115	08/08/2024

Batch 226774 **SampType:** MS Units **mg/L**
SampID: 24071451-101BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**113**	2.500	111.2	89.2	75	125	08/08/2024
Magnesium		0.050		**44.0**	2.500	41.62	95.0	75	125	08/08/2024
Potassium		0.100		**4.73**	2.500	1.875	114.1	75	125	08/08/2024
Sodium		0.050		**110**	2.500	107.8	91.2	75	125	08/08/2024

Batch 226774 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24071451-101BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**112**	2.500	111.2	41.2	113.4	1.06	08/08/2024
Magnesium		0.050	S	**43.5**	2.500	41.62	74.6	43.99	1.16	08/08/2024
Potassium		0.100		**4.70**	2.500	1.875	113.1	4.727	0.51	08/08/2024
Sodium		0.050	S	**109**	2.500	107.8	42.4	110.1	1.11	08/08/2024

Batch 226782 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226782

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/15/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	08/15/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/15/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	08/15/2024

Batch 226782 **SampType:** LCS Units **mg/L**
SampID: LCS-226782

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.58**	2.500	0	103.3	85	115	08/15/2024
Magnesium		0.050		**2.24**	2.500	0	89.8	85	115	08/15/2024
Potassium		0.100		**2.69**	2.500	0	107.6	85	115	08/15/2024
Sodium		0.050		**2.65**	2.500	0	105.8	85	115	08/15/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226782 **SampType:** MS Units **mg/L**
SampID: 24071451-038CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**164**	2.500	162.2	94.0	75	125	08/15/2024
Magnesium		0.050	S	**88.6**	2.500	87.04	62.0	75	125	08/15/2024
Potassium		0.100		**7.56**	2.500	4.840	108.8	75	125	08/15/2024
Sodium		0.050		**98.6**	2.500	95.55	122.8	75	125	08/15/2024

Batch 226782 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24071451-038CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**163**	2.500	162.2	18.0	164.5	1.16	08/15/2024
Magnesium		0.050	S	**88.2**	2.500	87.04	44.7	88.59	0.49	08/15/2024
Potassium		0.100		**7.52**	2.500	4.840	107.1	7.561	0.57	08/15/2024
Sodium		0.050		**97.7**	2.500	95.55	84.8	98.62	0.97	08/15/2024

Batch 226782 **SampType:** MS Units **mg/L**
SampID: 24071451-099CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**86.3**	2.500	85.34	38.0	75	125	08/15/2024
Magnesium		0.050		**40.8**	2.500	38.75	81.5	75	125	08/15/2024
Potassium		0.100		**3.38**	2.500	0.5807	111.9	75	125	08/15/2024
Sodium		0.050		**61.1**	2.500	58.99	86.0	75	125	08/15/2024

Batch 226782 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24071451-099CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**86.2**	2.500	85.34	34.8	86.29	0.09	08/15/2024
Magnesium		0.050		**40.9**	2.500	38.75	87.1	40.79	0.34	08/15/2024
Potassium		0.100		**3.37**	2.500	0.5807	111.4	3.377	0.35	08/15/2024
Sodium		0.050		**61.3**	2.500	58.99	91.2	61.14	0.21	08/15/2024

Batch 226877 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/12/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/12/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/12/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226877 **SampType:** LCS Units **mg/L**
SampID: LCS-226877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.56**	2.500	0	102.4	85	115	08/12/2024
Magnesium		0.0500		**2.41**	2.500	0	96.3	85	115	08/12/2024
Potassium		0.100		**2.73**	2.500	0	109.3	85	115	08/12/2024
Sodium		0.0500		**2.59**	2.500	0	103.7	85	115	08/12/2024

Batch 226877 **SampType:** MS Units **mg/L**
SampID: 24080553-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**34.2**	2.500	30.96	128.8	75	125	08/12/2024
Magnesium		0.0500		**12.5**	2.500	9.889	106.4	75	125	08/12/2024
Potassium		0.100		**3.96**	2.500	1.210	109.8	75	125	08/12/2024
Sodium		0.0500	S	**75.5**	2.500	71.73	149.2	75	125	08/12/2024

Batch 226877 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24080553-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**33.1**	2.500	30.96	86.8	34.18	3.12	08/12/2024
Magnesium		0.0500		**12.2**	2.500	9.889	92.1	12.55	2.89	08/12/2024
Potassium		0.100		**3.87**	2.500	1.210	106.5	3.955	2.12	08/12/2024
Sodium		0.0500	S	**73.0**	2.500	71.73	52.8	75.46	3.25	08/12/2024

Batch 226881 **SampType:** MBLK Units **mg/L**
SampID: MBLK-226881

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/13/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/13/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	08/12/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/12/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	08/13/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	08/13/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/12/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/13/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	08/13/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/12/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	08/13/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	08/13/2024

Teklab, Inc.
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Quality Control Results

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Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226881 **SampType:** LCS Units **mg/L**
SampID: LCS-226881

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**2.66**	2.500	0	106.3	85	115	08/13/2024
Calcium		0.100		**2.66**	2.500	0	106.3	85	115	08/13/2024
Calcium		0.100		**2.66**	2.500	0	106.5	85	115	08/12/2024
Magnesium		0.0500		**2.41**	2.500	0	96.4	85	115	08/12/2024
Magnesium		0.0500		**2.40**	2.500	0	96.2	85	115	08/13/2024
Magnesium		0.050		**2.40**	2.500	0	96.2	85	115	08/13/2024
Potassium		0.100		**2.70**	2.500	0	108.1	85	115	08/12/2024
Potassium		0.100		**2.77**	2.500	0	110.6	85	115	08/13/2024
Potassium		0.100		**2.77**	2.500	0	110.6	85	115	08/13/2024
Sodium		0.0500		**2.69**	2.500	0	107.6	85	115	08/12/2024
Sodium		0.050		**2.75**	2.500	0	110.0	85	115	08/13/2024
Sodium		0.0500		**2.75**	2.500	0	110.0	85	115	08/13/2024

Batch 226881 **SampType:** MS Units **mg/L**
SampID: 24071451-087BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**428**	2.500	491.8	-2566	75	125	08/12/2024
Magnesium		0.050	S	**933**	2.500	925.8	290.6	75	125	08/12/2024
Potassium		10.0	S	**127**	2.500	121.8	190.8	75	125	08/13/2024
Sodium		0.050	S	**440**	2.500	434.8	213.6	75	125	08/12/2024

Batch 226881 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24071451-087BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**354**	2.500	491.8	-5510	427.7	18.83	08/12/2024
Magnesium		0.050	S	**932**	2.500	925.8	235.3	933.0	0.15	08/12/2024
Potassium		10.0	S	**126**	2.500	121.8	149.6	126.6	0.82	08/13/2024
Sodium		0.050	S	**439**	2.500	434.8	160.4	440.2	0.30	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226493 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226493

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/02/2024
Aluminum		25.0	S	**31.8**	12.50	0	254.4	-100	100	08/01/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/01/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/01/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/01/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/01/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/01/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/01/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/01/2024
Copper	*	1.0		**< 1.0**	0.3000	0	0	-100	100	08/01/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/01/2024
Lead		1.0	S	**4.4**	0.6000	0	726.0	-100	100	08/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/05/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/01/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/05/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/05/2024
Nickel		1.0	S	**5.3**	0.4300	0	1227	-100	100	08/01/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/01/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	08/01/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/01/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/01/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/05/2024
Zinc		15.0	S	**112**	5.900	0	1902	-100	100	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226493 **SampType:** LCS Units **µg/L**

SampID: LCS-226493

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0	B	**1910**	2000	0	95.6	80	120	08/01/2024
Aluminum		25.0		**2000**	2000	0	100.1	80	120	08/02/2024
Antimony		1.0		**418**	500.0	0	83.6	80	120	08/01/2024
Arsenic		1.0		**458**	500.0	0	91.6	80	120	08/01/2024
Barium		1.0		**1870**	2000	0	93.4	80	120	08/01/2024
Beryllium		1.0		**46.5**	50.00	0	93.0	80	120	08/01/2024
Boron		25.0		**465**	500.0	0	93.0	80	120	08/01/2024
Cadmium	*	1.0		**45.6**	50.00	0	91.1	80	120	08/01/2024
Chromium		1.5		**185**	200.0	0	92.3	80	120	08/01/2024
Cobalt		1.0		**468**	500.0	0	93.5	80	120	08/01/2024
Copper	*	1.0		**234**	250.0	0	93.5	80	120	08/01/2024
Iron		25.0		**2060**	2000	0	102.8	80	120	08/01/2024
Lead		1.0	B	**445**	500.0	0	89.1	80	120	08/01/2024
Manganese		2.0		**475**	500.0	0	95.1	80	120	08/01/2024
Molybdenum		1.5		**438**	500.0	0	87.6	80	120	08/05/2024
Nickel		1.0	B	**466**	500.0	0	93.2	80	120	08/01/2024
Selenium		1.0		**483**	500.0	0	96.6	80	120	08/01/2024
Silver		1.0		**43.3**	50.00	0	86.6	80	120	08/01/2024
Thallium		2.0		**230**	250.0	0	91.9	80	120	08/01/2024
Vanadium		5.0		**442**	500.0	0	88.3	80	120	08/01/2024
Zinc		15.0	B	**468**	500.0	0	93.6	80	120	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226493 **SampType:** MS Units **µg/L**

SampID: 24071451-031DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1970**	2000	18.83	97.8	75	125	08/02/2024
Antimony		1.0		**416**	500.0	0	83.2	75	125	08/01/2024
Arsenic		1.0		**452**	500.0	0	90.3	75	125	08/01/2024
Barium		1.0		**1890**	2000	91.09	90.1	75	125	08/01/2024
Beryllium		1.0		**45.5**	50.00	0	90.9	75	125	08/01/2024
Boron		25.0		**477**	500.0	0	95.4	75	125	08/01/2024
Cadmium	*	1.0		**45.1**	50.00	0	90.2	75	125	08/01/2024
Chromium		1.5		**174**	200.0	1.840	86.2	75	125	08/01/2024
Cobalt		1.0		**438**	500.0	0	87.5	75	125	08/01/2024
Copper	*	1.0		**221**	250.0	1.412	87.9	75	125	08/01/2024
Iron		25.0		**1910**	2000	15.17	94.9	75	125	08/01/2024
Lead		1.0	B	**474**	500.0	0	94.9	75	125	08/01/2024
Manganese		2.0		**459**	500.0	2.263	91.4	75	125	08/01/2024
Molybdenum		1.5		**474**	500.0	0.9216	94.6	75	125	08/05/2024
Nickel		1.0	B	**434**	500.0	0	86.8	75	125	08/01/2024
Selenium		1.0		**470**	500.0	2.333	93.5	75	125	08/01/2024
Silver		1.0		**42.4**	50.00	0	84.9	75	125	08/01/2024
Thallium		2.0		**227**	250.0	0	90.8	75	125	08/01/2024
Vanadium		5.0		**439**	500.0	0	87.8	75	125	08/01/2024
Zinc		15.0	B	**449**	500.0	0	89.9	75	125	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch **226493** **SampType:** **MSD** Units **µg/L** RPD Limit **20**

SampID: 24071451-031DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1920**	2000	18.83	94.8	1975	3.04	08/02/2024
Antimony		1.0		**425**	500.0	0	85.0	416.0	2.19	08/01/2024
Arsenic		1.0		**455**	500.0	0	91.0	451.6	0.76	08/01/2024
Barium		1.0		**1870**	2000	91.09	89.1	1894	1.15	08/01/2024
Beryllium		1.0		**45.7**	50.00	0	91.5	45.46	0.63	08/01/2024
Boron		25.0		**474**	500.0	0	94.9	477.0	0.52	08/01/2024
Cadmium	*	1.0		**44.6**	50.00	0	89.2	45.11	1.16	08/01/2024
Chromium		1.5		**179**	200.0	1.840	88.5	174.3	2.58	08/01/2024
Cobalt		1.0		**436**	500.0	0	87.2	437.6	0.33	08/01/2024
Copper	*	1.0		**224**	250.0	1.412	88.9	221.2	1.11	08/01/2024
Iron		25.0		**1920**	2000	15.17	95.5	1913	0.60	08/01/2024
Lead		1.0	B	**441**	500.0	0	88.2	474.5	7.36	08/01/2024
Manganese		2.0		**456**	500.0	2.263	90.8	459.0	0.61	08/01/2024
Molybdenum		1.5		**433**	500.0	0.9216	86.3	474.1	9.17	08/05/2024
Nickel		1.0	B	**433**	500.0	0	86.6	434.1	0.23	08/01/2024
Selenium		1.0		**470**	500.0	2.333	93.6	469.7	0.11	08/01/2024
Silver		1.0		**43.2**	50.00	0	86.3	42.45	1.70	08/01/2024
Thallium		2.0		**224**	250.0	0	89.6	227.0	1.38	08/01/2024
Vanadium		5.0		**437**	500.0	0	87.4	439.2	0.52	08/01/2024
Zinc		15.0	B	**452**	500.0	0	90.4	449.3	0.64	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226540 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226540

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/06/2024
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/05/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/08/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/02/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/02/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/02/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/02/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/02/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/02/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/02/2024
Copper	*	1.0		**< 1.0**	0.3000	0	0	-100	100	08/02/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/02/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/02/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/02/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/05/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/02/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/02/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	08/02/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/02/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/02/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226540 **SampType:** LCS Units **µg/L**

SampID: LCS-226540

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1910**	2000	0	95.7	80	120	08/06/2024
Aluminum		25.0		**2060**	2000	0	102.9	80	120	08/05/2024
Antimony		1.0		**482**	500.0	0	96.4	80	120	08/08/2024
Arsenic		1.0		**478**	500.0	0	95.7	80	120	08/02/2024
Barium		1.0		**1960**	2000	0	98.2	80	120	08/02/2024
Beryllium		1.0		**46.2**	50.00	0	92.4	80	120	08/02/2024
Boron		25.0		**472**	500.0	0	94.5	80	120	08/02/2024
Cadmium	*	1.0		**47.7**	50.00	0	95.4	80	120	08/02/2024
Chromium		1.5		**194**	200.0	0	97.2	80	120	08/02/2024
Cobalt		1.0		**470**	500.0	0	93.9	80	120	08/02/2024
Copper	*	1.0		**244**	250.0	0	97.8	80	120	08/02/2024
Iron		25.0		**2020**	2000	0	101.2	80	120	08/02/2024
Lead		1.0		**496**	500.0	0	99.2	80	120	08/05/2024
Manganese		2.0		**481**	500.0	0	96.1	80	120	08/02/2024
Molybdenum		1.5		**438**	500.0	0	87.6	80	120	08/05/2024
Nickel		1.0		**471**	500.0	0	94.3	80	120	08/02/2024
Selenium		1.0		**496**	500.0	0	99.3	80	120	08/02/2024
Silver		1.0		**47.9**	50.00	0	95.8	80	120	08/02/2024
Thallium		2.0		**216**	250.0	0	86.6	80	120	08/05/2024
Vanadium		5.0		**468**	500.0	0	93.5	80	120	08/02/2024
Zinc		15.0		**483**	500.0	0	96.6	80	120	08/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226540 **SampType:** MS Units **µg/L**

SampID: 24071451-041DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1880**	2000	30.23	92.2	75	125	08/06/2024
Antimony		1.0		**539**	500.0	0.6924	107.7	75	125	08/08/2024
Arsenic		1.0		**496**	500.0	2.282	98.7	75	125	08/02/2024
Barium		1.0		**2020**	2000	67.72	97.5	75	125	08/02/2024
Beryllium		1.0		**47.5**	50.00	0	95.1	75	125	08/02/2024
Boron		25.0		**526**	500.0	31.14	98.9	75	125	08/08/2024
Cadmium	*	1.0		**48.5**	50.00	0	97.0	75	125	08/02/2024
Chromium		1.5		**193**	200.0	0	96.7	75	125	08/02/2024
Cobalt		1.0		**466**	500.0	0.5462	93.0	75	125	08/02/2024
Copper	*	1.0		**239**	250.0	1.294	95.2	75	125	08/05/2024
Iron		25.0		**3140**	2000	1386	87.8	75	125	08/02/2024
Lead		1.0		**546**	500.0	0	109.1	75	125	08/05/2024
Manganese		2.0		**1460**	500.0	983.9	95.9	75	125	08/02/2024
Molybdenum		1.5		**443**	500.0	0	88.7	75	125	08/05/2024
Nickel		1.0		**466**	500.0	0	93.2	75	125	08/02/2024
Selenium		1.0		**462**	500.0	0	92.3	75	125	08/02/2024
Silver		1.0		**48.1**	50.00	0	96.2	75	125	08/02/2024
Thallium		2.0		**227**	250.0	0	90.9	75	125	08/05/2024
Vanadium		5.0		**486**	500.0	0	97.3	75	125	08/02/2024
Zinc		15.0		**476**	500.0	0	95.2	75	125	08/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226540 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24071451-041DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1910**	2000	30.23	93.9	1875	1.72	08/06/2024
Antimony		1.0		**541**	500.0	0.6924	108.0	539.0	0.35	08/08/2024
Arsenic		1.0		**503**	500.0	2.282	100.1	495.6	1.45	08/02/2024
Barium		1.0		**2100**	2000	67.72	101.6	2017	3.96	08/02/2024
Beryllium		1.0		**47.4**	50.00	0	94.7	47.53	0.38	08/02/2024
Boron		25.0		**518**	500.0	31.14	97.4	525.5	1.43	08/08/2024
Cadmium	*	1.0		**49.2**	50.00	0	98.3	48.52	1.31	08/02/2024
Chromium		1.5		**199**	200.0	0	99.3	193.3	2.67	08/02/2024
Cobalt		1.0		**473**	500.0	0.5462	94.5	465.5	1.59	08/02/2024
Copper	*	1.0		**241**	250.0	1.294	95.8	239.4	0.59	08/05/2024
Iron		25.0		**3280**	2000	1386	95.0	3142	4.45	08/02/2024
Lead		1.0		**543**	500.0	0	108.7	545.6	0.39	08/05/2024
Manganese		2.0		**1450**	500.0	983.9	92.7	1463	1.10	08/02/2024
Molybdenum		1.5		**441**	500.0	0	88.3	443.4	0.43	08/05/2024
Nickel		1.0		**467**	500.0	0	93.4	466.2	0.17	08/02/2024
Selenium		1.0		**472**	500.0	0	94.3	461.6	2.17	08/02/2024
Silver		1.0		**46.6**	50.00	0	93.2	48.11	3.15	08/02/2024
Thallium		2.0		**231**	250.0	0	92.4	227.3	1.62	08/05/2024
Vanadium		5.0		**483**	500.0	0	96.6	486.3	0.68	08/02/2024
Zinc		15.0		**481**	500.0	0	96.2	476.0	1.07	08/02/2024

Batch 226540 **SampType:** MS Units µg/L

SampID: 24071451-079CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1800**	2000	16.18	89.3	75	125	08/06/2024
Arsenic		1.0		**555**	500.0	0.4362	111.0	75	125	08/02/2024
Boron		25.0	S	**10100**	500.0	10050	3.2	75	125	08/09/2024
Copper	*	1.0		**266**	250.0	0.9637	106.0	75	125	08/02/2024
Iron		25.0		**2260**	2000	102.7	107.6	75	125	08/02/2024
Lead		1.0		**524**	500.0	0	104.8	75	125	08/05/2024
Manganese		2.0		**1420**	500.0	956.2	93.6	75	125	08/05/2024
Nickel		1.0		**519**	500.0	1.153	103.6	75	125	08/02/2024
Silver		1.0		**52.5**	50.00	0	105.0	75	125	08/02/2024
Vanadium		5.0		**540**	500.0	0	108.0	75	125	08/02/2024
Zinc		15.0		**537**	500.0	0	107.5	75	125	08/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

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

Batch 226540 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 24071451-079CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1860**	2000	16.18	92.1	1802	3.03	08/06/2024
Arsenic		1.0		**577**	500.0	0.4362	115.3	555.2	3.84	08/02/2024
Boron		25.0	S	**10300**	500.0	9643	132.3	10060	2.37	08/09/2024
Copper	*	1.0		**275**	250.0	0.9637	109.5	266.1	3.20	08/02/2024
Iron		25.0		**2530**	2000	102.7	121.5	2255	11.56	08/02/2024
Lead		1.0		**498**	500.0	0	99.5	524.2	5.18	08/05/2024
Manganese		2.0		**1420**	500.0	956.2	92.6	1424	0.35	08/05/2024
Nickel		1.0		**543**	500.0	1.153	108.4	519.1	4.57	08/02/2024
Silver		1.0		**52.8**	50.00	0	105.5	52.49	0.49	08/02/2024
Vanadium		5.0		**562**	500.0	0	112.5	539.9	4.10	08/02/2024
Zinc		15.0		**549**	500.0	0	109.8	537.3	2.16	08/02/2024

Batch 226588 **SampType:** MBLK Units **µg/L**
SampID: MBLK-226588

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/05/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/08/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/02/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/02/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/02/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/02/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/02/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/02/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/02/2024
Copper	*	1.0		**< 1.0**	0.3000	0	0	-100	100	08/02/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/02/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/02/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/02/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/02/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/02/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/02/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	08/02/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/02/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/02/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226588 **SampType:** LCS Units **µg/L**

SampID: LCS-226588

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**466**	500.0	0	93.2	80	120	08/08/2024
Arsenic		1.0		**458**	500.0	0	91.6	80	120	08/02/2024
Barium		1.0		**1900**	2000	0	95.1	80	120	08/02/2024
Boron		25.0		**439**	500.0	0	87.8	80	120	08/02/2024
Cadmium	*	1.0		**46.1**	50.00	0	92.2	80	120	08/02/2024
Chromium		1.5		**173**	200.0	0	86.4	80	120	08/02/2024
Cobalt		1.0		**454**	500.0	0	90.7	80	120	08/02/2024
Copper	*	1.0		**231**	250.0	0	92.4	80	120	08/02/2024
Iron		25.0		**1830**	2000	0	91.5	80	120	08/02/2024
Lead		1.0		**463**	500.0	0	92.6	80	120	08/02/2024
Manganese		2.0		**462**	500.0	0	92.5	80	120	08/02/2024
Molybdenum		1.5		**446**	500.0	0	89.2	80	120	08/02/2024
Nickel		1.0		**453**	500.0	0	90.6	80	120	08/02/2024
Selenium		1.0		**471**	500.0	0	94.3	80	120	08/02/2024
Silver		1.0		**47.0**	50.00	0	94.0	80	120	08/02/2024
Thallium		2.0		**228**	250.0	0	91.2	80	120	08/02/2024
Vanadium		5.0		**459**	500.0	0	91.7	80	120	08/02/2024
Zinc		15.0		**465**	500.0	0	93.0	80	120	08/02/2024

Batch 226588 **SampType:** MS Units **µg/L**

SampID: 24071451-080CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**485**	500.0	0	97.1	75	125	08/02/2024
Boron		25.0		**1890**	500.0	1397	98.5	75	125	08/08/2024
Copper	*	1.0		**230**	250.0	1.245	91.4	75	125	08/02/2024
Iron		25.0		**1910**	2000	0	95.4	75	125	08/02/2024
Lead		1.0		**477**	500.0	0	95.5	75	125	08/02/2024
Manganese		2.0		**4870**	500.0	4306	113.2	75	125	08/02/2024
Nickel		1.0		**454**	500.0	4.319	90.0	75	125	08/02/2024
Silver		1.0		**44.0**	50.00	0	88.1	75	125	08/02/2024
Vanadium		5.0		**475**	500.0	0	95.1	75	125	08/02/2024
Zinc		15.0		**476**	500.0	0	95.1	75	125	08/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226588 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24071451-080CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**489**	500.0	0	97.8	485.5	0.73	08/02/2024
Boron		25.0		**1860**	500.0	1397	91.6	1890	1.86	08/08/2024
Copper	*	1.0		**229**	250.0	1.245	91.3	229.6	0.08	08/02/2024
Iron		25.0		**1910**	2000	0	95.4	1909	0.04	08/02/2024
Lead		1.0		**484**	500.0	0	96.8	477.3	1.45	08/02/2024
Manganese		2.0		**4850**	500.0	4306	109.0	4872	0.44	08/02/2024
Nickel		1.0		**454**	500.0	4.319	90.0	454.1	0.01	08/02/2024
Silver		1.0		**44.0**	50.00	0	88.1	44.03	0.04	08/02/2024
Vanadium		5.0		**472**	500.0	0	94.3	475.4	0.77	08/02/2024
Zinc		15.0		**473**	500.0	0	94.6	475.6	0.58	08/02/2024

Batch 226703 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226703

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/06/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/06/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/06/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/06/2024
Copper	*	1.0		**< 1.0**	0.3000	0	0	-100	100	08/08/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/06/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/06/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/06/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/06/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	08/06/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226703 **SampType:** LCS Units **µg/L**

SampID: LCS-226703

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1730**	2000	0	86.7	80	120	08/06/2024
Arsenic		1.0		**473**	500.0	0	94.5	80	120	08/06/2024
Boron		25.0		**454**	500.0	0	90.9	80	120	08/06/2024
Cadmium	*	1.0		**43.4**	50.00	0	86.7	80	120	08/06/2024
Copper	*	1.0		**249**	250.0	0	99.6	80	120	08/08/2024
Iron		25.0		**1740**	2000	0	86.8	80	120	08/06/2024
Lead		1.0		**441**	500.0	0	88.1	80	120	08/06/2024
Manganese		2.0		**445**	500.0	0	89.0	80	120	08/06/2024
Nickel		1.0		**425**	500.0	0	84.9	80	120	08/06/2024
Silver		1.0		**43.5**	50.00	0	87.1	80	120	08/06/2024
Vanadium		5.0		**429**	500.0	0	85.8	80	120	08/06/2024

Batch 226703 **SampType:** MS Units **µg/L**

SampID: 24080359-008CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**476**	500.0	0	95.2	75	125	08/06/2024
Cadmium	*	1.0		**41.2**	50.00	0	82.4	75	125	08/06/2024
Lead		1.0		**438**	500.0	0	87.7	75	125	08/06/2024

Batch 226703 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24080359-008CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**457**	500.0	0	91.3	475.9	4.15	08/06/2024
Cadmium	*	1.0		**41.1**	50.00	0	82.2	41.18	0.14	08/06/2024
Lead		1.0		**432**	500.0	0	86.5	438.5	1.43	08/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226766 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226766

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/12/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/13/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/13/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/12/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/13/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/12/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/13/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/13/2024
Copper	*	1.0		**< 1.0**	0.3000	0	0	-100	100	08/12/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/13/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/12/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/13/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/12/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/13/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/13/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	08/12/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/12/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/13/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226766 **SampType:** LCS Units µg/L

SampID: LCS-226766

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**428**	500.0	0	85.6	80	120	08/12/2024
Arsenic		1.0		**466**	500.0	0	93.2	80	120	08/13/2024
Barium		1.0		**1960**	2000	0	97.9	80	120	08/12/2024
Barium		1.0		**1950**	2000	0	97.6	80	120	08/13/2024
Boron		25.0		**442**	500.0	0	88.4	80	120	08/13/2024
Cadmium	*	1.0		**46.0**	50.00	0	92.1	80	120	08/12/2024
Chromium		1.5		**182**	200.0	0	91.2	80	120	08/13/2024
Cobalt		1.0		**461**	500.0	0	92.2	80	120	08/13/2024
Copper	*	1.0		**224**	250.0	0	89.5	80	120	08/12/2024
Iron		25.0		**1850**	2000	0	92.7	80	120	08/13/2024
Lead		1.0		**465**	500.0	0	93.0	80	120	08/12/2024
Manganese		2.0		**464**	500.0	0	92.8	80	120	08/13/2024
Molybdenum		1.5		**429**	500.0	0	85.9	80	120	08/12/2024
Nickel		1.0		**455**	500.0	0	91.0	80	120	08/13/2024
Selenium		1.0		**471**	500.0	0	94.3	80	120	08/13/2024
Silver		1.0		**46.4**	50.00	0	92.8	80	120	08/12/2024
Thallium		2.0		**231**	250.0	0	92.5	80	120	08/12/2024
Vanadium		5.0		**455**	500.0	0	91.0	80	120	08/13/2024
Zinc		15.0		**440**	500.0	0	87.9	80	120	08/13/2024

Batch 226766 **SampType:** MS Units µg/L

SampID: 24071451-014CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**509**	500.0	0	101.8	75	125	08/13/2024
Arsenic		1.0		**488**	500.0	0	97.6	75	125	08/13/2024
Barium		1.0		**2020**	2000	56.20	98.3	75	125	08/13/2024
Boron		25.0		**491**	500.0	0	98.3	75	125	08/13/2024
Cadmium	*	1.0		**46.3**	50.00	0	92.6	75	125	08/13/2024
Chromium		1.5		**187**	200.0	0.8925	92.9	75	125	08/13/2024
Cobalt		1.0		**442**	500.0	0	88.4	75	125	08/13/2024
Lead		1.0		**472**	500.0	0	94.5	75	125	08/13/2024
Manganese		2.0		**485**	500.0	9.130	95.2	75	125	08/13/2024
Zinc		15.0		**456**	500.0	0	91.3	75	125	08/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch **226766** **SampType:** **MSD** Units **µg/L** RPD Limit **20**

SampID: 24071451-014CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**510**	500.0	0	101.9	509.2	0.06	08/13/2024
Arsenic		1.0		**481**	500.0	0	96.2	488.1	1.50	08/13/2024
Barium		1.0		**2060**	2000	56.20	100.1	2021	1.76	08/13/2024
Boron		25.0		**493**	500.0	0	98.6	491.4	0.36	08/13/2024
Cadmium	*	1.0		**47.3**	50.00	0	94.6	46.30	2.17	08/13/2024
Chromium		1.5		**187**	200.0	0.8925	92.9	186.7	0.03	08/13/2024
Cobalt		1.0		**448**	500.0	0	89.6	441.9	1.34	08/13/2024
Lead		1.0		**480**	500.0	0	96.1	472.5	1.64	08/13/2024
Manganese		2.0		**490**	500.0	9.130	96.2	485.0	1.07	08/13/2024
Zinc		15.0		**457**	500.0	0	91.4	456.3	0.11	08/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226779 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226779

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/09/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/09/2024
Antimony		1.0	S	**2.2**	0.4500	0	498.3	-100	100	08/08/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/09/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/08/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/08/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/08/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/09/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/08/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/08/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/08/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/08/2024
Copper	*	1.0		**< 1.0**	0.3000	0	0	-100	100	08/08/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/09/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/08/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/08/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/09/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/08/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/08/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	08/08/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/08/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/09/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226779 **SampType:** LCS Units µg/L

SampID: LCS-226779

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2060**	2000	0	103.1	80	120	08/09/2024
Antimony		1.0	B	**420**	500.0	0	84.0	80	120	08/08/2024
Antimony		1.0		**438**	500.0	0	87.7	80	120	08/09/2024
Arsenic		1.0		**476**	500.0	0	95.1	80	120	08/08/2024
Arsenic		1.0		**479**	500.0	0	95.7	80	120	08/09/2024
Barium		1.0		**1910**	2000	0	95.6	80	120	08/08/2024
Beryllium		1.0		**44.7**	50.00	0	89.3	80	120	08/08/2024
Boron		25.0		**492**	500.0	0	98.4	80	120	08/09/2024
Cadmium	*	1.0		**45.1**	50.00	0	90.3	80	120	08/08/2024
Chromium		1.5		**188**	200.0	0	93.9	80	120	08/08/2024
Cobalt		1.0		**467**	500.0	0	93.3	80	120	08/08/2024
Copper	*	1.0		**233**	250.0	0	93.0	80	120	08/08/2024
Iron		25.0		**1950**	2000	0	97.5	80	120	08/09/2024
Lead		1.0		**463**	500.0	0	92.6	80	120	08/08/2024
Manganese		2.0		**475**	500.0	0	95.0	80	120	08/08/2024
Molybdenum		1.5		**426**	500.0	0	85.2	80	120	08/09/2024
Nickel		1.0		**465**	500.0	0	93.0	80	120	08/08/2024
Selenium		1.0		**477**	500.0	0	95.3	80	120	08/08/2024
Silver		1.0		**43.8**	50.00	0	87.6	80	120	08/08/2024
Thallium		2.0		**248**	250.0	0	99.0	80	120	08/08/2024
Vanadium		5.0		**470**	500.0	0	94.1	80	120	08/09/2024
Zinc		15.0		**465**	500.0	0	92.9	80	120	08/08/2024

Batch 226779 **SampType:** MS Units µg/L

SampID: 24071451-013CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	B	**501**	500.0	0	100.2	75	125	08/08/2024
Arsenic		1.0		**500**	500.0	0	100.0	75	125	08/08/2024
Barium		1.0		**2060**	2000	89.93	98.3	75	125	08/08/2024
Boron		25.0		**489**	500.0	0	97.8	75	125	08/09/2024
Cadmium	*	1.0		**46.9**	50.00	0	93.9	75	125	08/08/2024
Chromium		1.5		**196**	200.0	0	98.0	75	125	08/08/2024
Cobalt		1.0		**471**	500.0	0	94.2	75	125	08/08/2024
Lead		1.0		**477**	500.0	0	95.4	75	125	08/08/2024
Manganese		2.0		**506**	500.0	24.33	96.3	75	125	08/08/2024
Zinc		15.0		**478**	500.0	0	95.7	75	125	08/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226779 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24071451-013CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0	B	**499**	500.0	0	99.8	500.8	0.35	08/08/2024
Arsenic		1.0		**493**	500.0	0	98.6	499.8	1.34	08/08/2024
Barium		1.0		**2020**	2000	89.93	96.3	2055	1.91	08/08/2024
Boron		25.0		**482**	500.0	0	96.4	489.2	1.44	08/09/2024
Cadmium	*	1.0		**47.3**	50.00	0	94.7	46.94	0.85	08/08/2024
Chromium		1.5		**195**	200.0	0	97.3	196.0	0.66	08/08/2024
Cobalt		1.0		**481**	500.0	0	96.1	471.0	2.05	08/08/2024
Lead		1.0		**461**	500.0	0	92.1	477.0	3.48	08/08/2024
Manganese		2.0		**509**	500.0	24.33	96.9	505.7	0.66	08/08/2024
Zinc		15.0		**476**	500.0	0	95.2	478.4	0.51	08/08/2024

Batch 226779 **SampType:** MS Units **µg/L**

SampID: 24071451-040DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1980**	2000	0	99.2	75	125	08/09/2024
Antimony		1.0	B	**486**	500.0	0	97.3	75	125	08/09/2024
Arsenic		1.0		**480**	500.0	0	95.9	75	125	08/09/2024
Barium		1.0		**1980**	2000	72.80	95.2	75	125	08/09/2024
Beryllium		1.0		**46.5**	50.00	0	93.1	75	125	08/09/2024
Boron		25.0		**501**	500.0	35.50	93.0	75	125	08/09/2024
Cadmium	*	1.0		**44.8**	50.00	0	89.5	75	125	08/09/2024
Chromium		1.5		**181**	200.0	0	90.7	75	125	08/09/2024
Cobalt		1.0		**462**	500.0	0.3012	92.3	75	125	08/09/2024
Copper	*	1.0		**220**	250.0	1.137	87.5	75	125	08/09/2024
Iron		25.0		**2500**	2000	637.8	93.3	75	125	08/09/2024
Lead		1.0		**456**	500.0	0	91.1	75	125	08/09/2024
Manganese		2.0		**937**	500.0	496.4	88.1	75	125	08/09/2024
Molybdenum		1.5		**429**	500.0	0	85.9	75	125	08/09/2024
Nickel		1.0		**438**	500.0	0	87.6	75	125	08/09/2024
Selenium		1.0		**468**	500.0	0	93.5	75	125	08/09/2024
Silver		1.0		**43.6**	50.00	0	87.3	75	125	08/09/2024
Thallium		2.0		**236**	250.0	0	94.2	75	125	08/09/2024
Vanadium		5.0		**472**	500.0	0	94.4	75	125	08/09/2024
Zinc		15.0		**455**	500.0	0	91.0	75	125	08/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226779 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24071451-040DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2020**	2000	0	100.8	1984	1.63	08/09/2024
Antimony		1.0	B	**507**	500.0	0	101.3	486.4	4.09	08/09/2024
Arsenic		1.0		**496**	500.0	0	99.2	479.7	3.38	08/09/2024
Barium		1.0		**2040**	2000	72.80	98.4	1976	3.21	08/09/2024
Beryllium		1.0		**47.0**	50.00	0	94.1	46.53	1.07	08/09/2024
Boron		25.0		**514**	500.0	35.50	95.8	500.5	2.73	08/09/2024
Cadmium	*	1.0		**45.8**	50.00	0	91.6	44.77	2.33	08/09/2024
Chromium		1.5		**194**	200.0	0	97.2	181.5	6.90	08/09/2024
Cobalt		1.0		**493**	500.0	0.3012	98.6	461.7	6.62	08/09/2024
Copper	*	1.0		**225**	250.0	1.137	89.5	220.0	2.16	08/09/2024
Iron		25.0		**2600**	2000	637.8	97.9	2504	3.60	08/09/2024
Lead		1.0		**466**	500.0	0	93.3	455.6	2.35	08/09/2024
Manganese		2.0		**958**	500.0	496.4	92.4	937.0	2.25	08/09/2024
Molybdenum		1.5		**458**	500.0	0	91.6	429.4	6.42	08/09/2024
Nickel		1.0		**455**	500.0	0	91.1	438.2	3.85	08/09/2024
Selenium		1.0		**483**	500.0	0	96.7	467.5	3.32	08/09/2024
Silver		1.0		**42.9**	50.00	0	85.7	43.64	1.77	08/09/2024
Thallium		2.0		**250**	250.0	0	100.1	235.6	6.00	08/09/2024
Vanadium		5.0		**487**	500.0	0	97.3	472.1	3.04	08/09/2024
Zinc		15.0		**461**	500.0	0	92.1	454.8	1.26	08/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226875 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226875

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/09/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/12/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/09/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/09/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/09/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/09/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/09/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/09/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/09/2024
Copper	*	1.0		**< 1.0**	0.3000	0	0	-100	100	08/09/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/09/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/09/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/09/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/09/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/09/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/09/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	08/09/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/09/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/09/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226875 **SampType:** LCS Units **µg/L**

SampID: LCS-226875

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1970**	2000	0	98.7	80	120	08/09/2024
Antimony		1.0		**454**	500.0	0	90.7	80	120	08/12/2024
Arsenic		1.0		**486**	500.0	0	97.2	80	120	08/09/2024
Barium		1.0		**1970**	2000	0	98.3	80	120	08/09/2024
Beryllium		1.0		**44.6**	50.00	0	89.2	80	120	08/09/2024
Boron		25.0		**456**	500.0	0	91.2	80	120	08/09/2024
Cadmium	*	1.0		**46.7**	50.00	0	93.4	80	120	08/09/2024
Chromium		1.5		**190**	200.0	0	94.9	80	120	08/09/2024
Cobalt		1.0		**472**	500.0	0	94.3	80	120	08/09/2024
Copper	*	1.0		**238**	250.0	0	95.3	80	120	08/09/2024
Iron		25.0		**1960**	2000	0	97.9	80	120	08/09/2024
Lead		1.0		**440**	500.0	0	87.9	80	120	08/09/2024
Manganese		2.0		**479**	500.0	0	95.8	80	120	08/09/2024
Molybdenum		1.5		**434**	500.0	0	86.9	80	120	08/09/2024
Nickel		1.0		**465**	500.0	0	93.0	80	120	08/09/2024
Selenium		1.0		**470**	500.0	0	94.0	80	120	08/09/2024
Silver		1.0		**47.4**	50.00	0	94.7	80	120	08/09/2024
Thallium		2.0		**239**	250.0	0	95.5	80	120	08/09/2024
Vanadium		5.0		**465**	500.0	0	93.1	80	120	08/09/2024
Zinc		15.0		**471**	500.0	0	94.2	80	120	08/09/2024

Batch 226875 **SampType:** MS Units **µg/L**

SampID: 24080689-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**482**	500.0	2.970	95.7	75	125	08/09/2024
Cadmium	*	1.0		**44.9**	50.00	0	89.9	75	125	08/09/2024
Lead		1.0		**433**	500.0	0	86.7	75	125	08/09/2024

Batch 226875 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24080689-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**481**	500.0	2.970	95.7	481.7	0.04	08/09/2024
Cadmium	*	1.0		**45.7**	50.00	0	91.3	44.93	1.63	08/09/2024
Lead		1.0		**451**	500.0	0	90.2	433.3	3.99	08/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 227733 **SampType:** MBLK Units µg/L
SampID: MBLK-227733

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/29/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/29/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/29/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/29/2024
Copper	*	1.0		**< 1.0**	0.3000	0	0	-100	100	08/29/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/29/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/29/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/29/2024

Batch 227733 **SampType:** LCS Units µg/L
SampID: LCS-227733

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1950**	2000	0	97.5	80	120	08/29/2024
Antimony		1.0		**419**	500.0	0	83.9	80	120	08/29/2024
Arsenic		1.0		**483**	500.0	0	96.7	80	120	08/29/2024
Barium		1.0		**1860**	2000	0	93.1	80	120	08/29/2024
Copper	*	1.0		**230**	250.0	0	92.2	80	120	08/29/2024
Iron		25.0		**1950**	2000	0	97.6	80	120	08/30/2024
Lead		1.0		**436**	500.0	0	87.2	80	120	08/29/2024
Thallium		2.0		**222**	250.0	0	88.7	80	120	08/30/2024
Zinc		15.0		**464**	500.0	0	92.7	80	120	08/29/2024

Batch 227815 **SampType:** MBLK Units µg/L
SampID: MBLK-227815

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/30/2024
Copper	*	1.0		**< 1.0**	0.3000	0	0	-100	100	08/30/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	09/03/2024

Batch 227815 **SampType:** LCS Units µg/L
SampID: LCS-227815

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**473**	500.0	0	94.7	80	120	08/30/2024
Copper	*	1.0		**214**	250.0	0	85.6	80	120	08/30/2024
Zinc		15.0		**441**	500.0	0	88.2	80	120	09/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 228021 **SampType:** MBLK Units µg/L
SampID: MBLK-228021

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	09/06/2024

Batch 228021 **SampType:** LCS Units µg/L
SampID: LCS-228021

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1870**	2000	0	93.4	80	120	09/06/2024

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

Batch 226445 **SampType:** MBLK Units µg/L
SampID: MBLK-226445

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/02/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/02/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/01/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/01/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/01/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/01/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/01/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/01/2024
Copper	*	1.0		**< 1.0**	0.2980	0	0	-100	100	08/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/01/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	08/01/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/01/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/05/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/01/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/01/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	08/01/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/01/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/01/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch **226445** **SampType:** **LCS** Units **µg/L**

SampID: LCS-226445

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2070**	2000	0	103.4	80	120	08/02/2024
Antimony		1.0		**465**	500.0	0	93.0	80	120	08/02/2024
Arsenic		1.0		**477**	500.0	0	95.4	80	120	08/01/2024
Barium		1.0		**1920**	2000	0	96.1	80	120	08/01/2024
Beryllium		1.0		**47.3**	50.00	0	94.6	80	120	08/01/2024
Boron		25.0		**487**	500.0	0	97.3	80	120	08/01/2024
Cadmium	*	1.0		**47.8**	50.00	0	95.6	80	120	08/01/2024
Chromium		1.5		**184**	200.0	0	92.0	80	120	08/01/2024
Cobalt		1.0		**471**	500.0	0	94.2	80	120	08/01/2024
Copper	*	1.0		**235**	250.0	0	93.9	80	120	08/01/2024
Lead		1.0		**485**	500.0	0	97.0	80	120	08/01/2024
Lithium	*	3.0		**494**	500.0	0	98.8	80	120	08/01/2024
Manganese		2.0		**474**	500.0	0	94.9	80	120	08/01/2024
Molybdenum		1.5		**453**	500.0	0	90.6	80	120	08/05/2024
Nickel		1.0		**468**	500.0	0	93.6	80	120	08/01/2024
Selenium		1.0		**500**	500.0	0	100.0	80	120	08/01/2024
Silver		1.0		**45.9**	50.00	0	91.7	80	120	08/01/2024
Thallium		2.0		**256**	250.0	0	102.4	80	120	08/02/2024
Vanadium		5.0		**445**	500.0	0	89.0	80	120	08/01/2024
Zinc		15.0		**470**	500.0	0	93.9	80	120	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226445 **SampType:** MS Units **µg/L**

SampID: 24071451-030CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2050**	2000	58.32	99.5	75	125	08/02/2024
Antimony		1.0		**544**	500.0	0.6683	108.6	75	125	08/02/2024
Arsenic		1.0		**471**	500.0	0.6794	94.1	75	125	08/01/2024
Barium		1.0		**2010**	2000	115.6	94.8	75	125	08/01/2024
Beryllium		1.0		**49.5**	50.00	0	99.0	75	125	08/01/2024
Boron		25.0		**509**	500.0	0	101.8	75	125	08/01/2024
Cadmium	*	1.0		**48.3**	50.00	0	96.6	75	125	08/01/2024
Chromium		1.5		**186**	200.0	0	92.8	75	125	08/01/2024
Cobalt		1.0		**462**	500.0	0.1962	92.3	75	125	08/01/2024
Copper	*	1.0		**232**	250.0	2.536	91.7	75	125	08/01/2024
Lead		1.0		**496**	500.0	0	99.1	75	125	08/01/2024
Manganese		2.0		**645**	500.0	208.9	87.3	75	125	08/01/2024
Molybdenum		1.5		**463**	500.0	1.353	92.4	75	125	08/05/2024
Nickel		1.0		**455**	500.0	0.6884	90.9	75	125	08/01/2024
Selenium		1.0		**491**	500.0	0	98.3	75	125	08/01/2024
Silver		1.0		**44.3**	50.00	0	88.5	75	125	08/01/2024
Thallium		2.0		**248**	250.0	1.631	98.7	75	125	08/02/2024
Vanadium		5.0		**456**	500.0	0	91.2	75	125	08/01/2024
Zinc		15.0		**468**	500.0	7.030	92.3	75	125	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch **226445** **SampType:** **MSD** Units **µg/L** RPD Limit **20**

SampID: 24071451-030CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2090**	2000	58.32	101.5	2049	1.84	08/02/2024
Antimony		1.0		**574**	500.0	0.6683	114.7	543.7	5.45	08/02/2024
Arsenic		1.0		**495**	500.0	0.6794	98.8	471.4	4.87	08/01/2024
Barium		1.0		**2030**	2000	115.6	95.9	2011	1.15	08/01/2024
Beryllium		1.0		**51.7**	50.00	0	103.5	49.49	4.42	08/01/2024
Boron		25.0		**502**	500.0	0	100.4	509.1	1.39	08/01/2024
Cadmium	*	1.0		**48.6**	50.00	0	97.2	48.29	0.67	08/01/2024
Chromium		1.5		**193**	200.0	0	96.6	185.5	4.08	08/01/2024
Cobalt		1.0		**482**	500.0	0.1962	96.4	461.5	4.39	08/01/2024
Copper	*	1.0		**238**	250.0	2.536	94.3	231.8	2.80	08/01/2024
Lead		1.0		**509**	500.0	0	101.7	495.7	2.58	08/01/2024
Manganese		2.0		**655**	500.0	208.9	89.2	645.4	1.47	08/01/2024
Molybdenum		1.5		**492**	500.0	1.353	98.1	463.4	5.95	08/05/2024
Nickel		1.0		**469**	500.0	0.6884	93.7	455.4	3.02	08/01/2024
Selenium		1.0		**513**	500.0	0	102.6	491.5	4.26	08/01/2024
Silver		1.0		**43.4**	50.00	0	86.8	44.26	1.99	08/01/2024
Thallium		2.0		**246**	250.0	1.631	97.7	248.5	1.01	08/02/2024
Vanadium		5.0		**474**	500.0	0	94.8	456.2	3.84	08/01/2024
Zinc		15.0		**485**	500.0	7.030	95.7	468.5	3.54	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226459 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226459

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/02/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/05/2024
Antimony		1.0	S	**1.3**	0.4500	0	281.9	-100	100	08/01/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/01/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/01/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/02/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/01/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/01/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/01/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/01/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	08/01/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/01/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/01/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/01/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/01/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	08/01/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/01/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/01/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch **226459** **SampType:** **LCS** Units **µg/L**

SampID: LCS-226459

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2010**	2000	0	100.3	80	120	08/02/2024
Antimony		1.0	B	**531**	500.0	0	106.2	80	120	08/01/2024
Arsenic		1.0		**510**	500.0	0	102.0	80	120	08/01/2024
Barium		1.0		**2040**	2000	0	102.0	80	120	08/01/2024
Beryllium		1.0		**50.3**	50.00	0	100.7	80	120	08/01/2024
Boron		25.0		**529**	500.0	0	105.8	80	120	08/02/2024
Cadmium	*	1.0		**50.1**	50.00	0	100.3	80	120	08/01/2024
Chromium		1.5		**194**	200.0	0	96.8	80	120	08/01/2024
Cobalt		1.0		**494**	500.0	0	98.8	80	120	08/01/2024
Iron		25.0		**2200**	2000	0	110.1	80	120	08/01/2024
Lead		1.0		**482**	500.0	0	96.4	80	120	08/01/2024
Lithium	*	3.0		**528**	500.0	0	105.7	80	120	08/01/2024
Manganese		2.0		**517**	500.0	0	103.4	80	120	08/01/2024
Molybdenum		1.5		**437**	500.0	0	87.4	80	120	08/01/2024
Nickel		1.0		**500**	500.0	0	100.0	80	120	08/01/2024
Selenium		1.0		**537**	500.0	0	107.5	80	120	08/01/2024
Silver		1.0		**46.0**	50.00	0	92.1	80	120	08/01/2024
Thallium		2.0		**219**	250.0	0	87.8	80	120	08/01/2024
Vanadium		5.0		**476**	500.0	0	95.3	80	120	08/01/2024
Zinc		15.0		**509**	500.0	0	101.8	80	120	08/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226542 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226542

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/05/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/08/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/05/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/05/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/05/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/05/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/05/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/05/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/05/2024
Copper	*	1.0		**< 1.0**	0.2980	0	0	-100	100	08/06/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/06/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/05/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	08/05/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/05/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/05/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/05/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/05/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	08/05/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/05/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/05/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226542 **SampType:** LCS Units **µg/L**

SampID: LCS-226542

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1840**	2000	0	92.2	80	120	08/05/2024
Antimony		1.0		**550**	500.0	0	110.0	80	120	08/08/2024
Arsenic		1.0		**498**	500.0	0	99.7	80	120	08/05/2024
Barium		1.0		**2100**	2000	0	104.9	80	120	08/05/2024
Beryllium		1.0		**48.1**	50.00	0	96.2	80	120	08/05/2024
Boron		25.0		**471**	500.0	0	94.2	80	120	08/05/2024
Cadmium	*	1.0		**49.2**	50.00	0	98.3	80	120	08/05/2024
Chromium		1.5		**183**	200.0	0	91.7	80	120	08/05/2024
Cobalt		1.0		**473**	500.0	0	94.5	80	120	08/05/2024
Copper	*	1.0		**236**	250.0	0	94.4	80	120	08/06/2024
Iron		25.0		**1890**	2000	0	94.4	80	120	08/06/2024
Lead		1.0		**483**	500.0	0	96.6	80	120	08/05/2024
Lithium	*	3.0		**489**	500.0	0	97.8	80	120	08/05/2024
Manganese		2.0		**500**	500.0	0	100.0	80	120	08/05/2024
Molybdenum		1.5		**407**	500.0	0	81.4	80	120	08/05/2024
Nickel		1.0		**481**	500.0	0	96.2	80	120	08/05/2024
Selenium		1.0		**526**	500.0	0	105.3	80	120	08/05/2024
Silver		1.0		**47.2**	50.00	0	94.5	80	120	08/05/2024
Thallium		2.0		**233**	250.0	0	93.1	80	120	08/05/2024
Vanadium		5.0		**482**	500.0	0	96.3	80	120	08/05/2024
Zinc		15.0		**477**	500.0	0	95.3	80	120	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226542 **SampType:** MS Units **µg/L**

SampID: 24071451-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**530**	500.0	0	105.9	75	125	08/08/2024
Arsenic		1.0		**484**	500.0	0.8165	96.7	75	125	08/05/2024
Barium		1.0		**2040**	2000	66.36	98.9	75	125	08/05/2024
Beryllium		1.0		**47.7**	50.00	0	95.4	75	125	08/05/2024
Boron		25.0		**498**	500.0	11.49	97.3	75	125	08/05/2024
Cadmium	*	1.0		**47.5**	50.00	0	95.1	75	125	08/05/2024
Chromium		1.5		**171**	200.0	0	85.7	75	125	08/05/2024
Cobalt		1.0		**437**	500.0	0.6914	87.2	75	125	08/05/2024
Lead		1.0		**469**	500.0	0	93.8	75	125	08/05/2024
Lithium	*	3.0		**499**	500.0	7.980	98.2	75	125	08/05/2024
Molybdenum		1.5		**403**	500.0	1.051	80.3	75	125	08/05/2024
Selenium		1.0		**516**	500.0	0	103.3	75	125	08/05/2024
Thallium		2.0		**227**	250.0	0	90.9	75	125	08/05/2024

Batch 226542 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24071451-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**548**	500.0	0	109.5	529.7	3.32	08/08/2024
Arsenic		1.0		**484**	500.0	0.8165	96.7	484.5	0.01	08/05/2024
Barium		1.0		**2050**	2000	66.36	99.1	2044	0.21	08/05/2024
Beryllium		1.0		**50.6**	50.00	0	101.1	47.71	5.80	08/05/2024
Boron		25.0		**511**	500.0	11.49	99.8	497.9	2.53	08/05/2024
Cadmium	*	1.0		**47.4**	50.00	0	94.8	47.55	0.35	08/05/2024
Chromium		1.5		**175**	200.0	0	87.3	171.5	1.81	08/05/2024
Cobalt		1.0		**445**	500.0	0.6914	88.8	436.6	1.87	08/05/2024
Lead		1.0		**474**	500.0	0	94.8	469.2	1.04	08/05/2024
Lithium	*	3.0		**509**	500.0	7.980	100.1	498.9	1.92	08/05/2024
Molybdenum		1.5		**406**	500.0	1.051	81.0	402.6	0.87	08/05/2024
Selenium		1.0		**517**	500.0	0	103.3	516.4	0.04	08/05/2024
Thallium		2.0		**233**	250.0	0	93.2	227.3	2.45	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226550 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226550

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/09/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/06/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/06/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/06/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/06/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/06/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/06/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/06/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/06/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/06/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/06/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/06/2024

Batch 226550 **SampType:** LCS Units **µg/L**

SampID: LCS-226550

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**538**	500.0	0	107.6	80	120	08/09/2024
Arsenic		1.0		**503**	500.0	0	100.6	80	120	08/06/2024
Barium		1.0		**2000**	2000	0	99.9	80	120	08/06/2024
Beryllium		1.0		**53.1**	50.00	0	106.1	80	120	08/06/2024
Boron		25.0		**533**	500.0	0	106.7	80	120	08/06/2024
Cadmium	*	1.0		**51.7**	50.00	0	103.4	80	120	08/06/2024
Chromium		1.5		**195**	200.0	0	97.6	80	120	08/06/2024
Cobalt		1.0		**500**	500.0	0	100.1	80	120	08/06/2024
Lead		1.0		**487**	500.0	0	97.5	80	120	08/08/2024
Molybdenum		1.5		**462**	500.0	0	92.4	80	120	08/06/2024
Selenium		1.0		**525**	500.0	0	105.0	80	120	08/06/2024
Thallium		2.0		**213**	250.0	0	85.2	80	120	08/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226569 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226569

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/06/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/05/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/06/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/05/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/05/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/06/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/06/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/05/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/05/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/05/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/05/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/05/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	08/06/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/05/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/05/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/05/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	08/05/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/05/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/05/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226569 **SampType:** LCS Units **µg/L**

SampID: LCS-226569

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2090**	2000	0	104.4	80	120	08/06/2024
Antimony		1.0		**587**	500.0	0	117.5	80	120	08/05/2024
Arsenic		1.0		**523**	500.0	0	104.7	80	120	08/05/2024
Arsenic		1.0		**514**	500.0	0	102.8	80	120	08/06/2024
Barium		1.0		**2150**	2000	0	107.6	80	120	08/05/2024
Beryllium		1.0		**50.5**	50.00	0	101.0	80	120	08/06/2024
Boron		25.0		**505**	500.0	0	101.1	80	120	08/06/2024
Cadmium	*	1.0		**52.7**	50.00	0	105.4	80	120	08/05/2024
Chromium		1.5		**211**	200.0	0	105.3	80	120	08/05/2024
Cobalt		1.0		**528**	500.0	0	105.5	80	120	08/05/2024
Iron		25.0		**2240**	2000	0	112.1	80	120	08/06/2024
Lead		1.0		**509**	500.0	0	101.9	80	120	08/06/2024
Lead		1.0	S	**600**	500.0	0	120.1	80	120	08/05/2024
Lithium	*	3.0		**518**	500.0	0	103.6	80	120	08/06/2024
Manganese		2.0		**530**	500.0	0	106.0	80	120	08/05/2024
Molybdenum		1.5		**467**	500.0	0	93.3	80	120	08/05/2024
Selenium		1.0		**551**	500.0	0	110.1	80	120	08/05/2024
Silver		1.0		**49.4**	50.00	0	98.9	80	120	08/05/2024
Thallium		2.0		**211**	250.0	0	84.2	80	120	08/05/2024
Vanadium		5.0		**513**	500.0	0	102.6	80	120	08/05/2024
Zinc		15.0		**542**	500.0	0	108.4	80	120	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226569 **SampType:** MS Units **µg/L**

SampID: 24071451-035CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2150**	2000	39.01	105.3	75	125	08/06/2024
Antimony		1.0		**537**	500.0	0	107.5	75	125	08/06/2024
Arsenic		1.0		**511**	500.0	0	102.3	75	125	08/06/2024
Barium		1.0		**2060**	2000	52.07	100.2	75	125	08/06/2024
Beryllium		1.0		**52.4**	50.00	0	104.8	75	125	08/06/2024
Boron		25.0		**541**	500.0	0	108.1	75	125	08/06/2024
Cadmium	*	1.0		**51.0**	50.00	0	102.0	75	125	08/06/2024
Chromium		1.5		**207**	200.0	0	103.5	75	125	08/06/2024
Cobalt		1.0		**493**	500.0	0	98.5	75	125	08/06/2024
Iron		25.0		**2230**	2000	43.26	109.2	75	125	08/06/2024
Lead		1.0		**546**	500.0	0	109.2	75	125	08/06/2024
Lithium	*	3.0		**541**	500.0	1.655	108.0	75	125	08/06/2024
Manganese		2.0		**521**	500.0	13.24	101.5	75	125	08/06/2024
Molybdenum		1.5		**469**	500.0	0	93.9	75	125	08/06/2024
Nickel		1.0		**484**	500.0	1.259	96.6	75	125	08/06/2024
Selenium		1.0		**528**	500.0	0	105.5	75	125	08/06/2024
Silver		1.0		**48.1**	50.00	0	96.2	75	125	08/06/2024
Thallium		2.0		**221**	250.0	0	88.3	75	125	08/06/2024
Vanadium		5.0		**494**	500.0	0	98.8	75	125	08/06/2024
Zinc		15.0		**501**	500.0	0	100.3	75	125	08/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch **226569** **SampType:** **MSD** Units **µg/L** RPD Limit **20**

SampID: 24071451-035CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**2100**	2000	39.01	102.8	2145	2.32	08/06/2024
Antimony		1.0		**556**	500.0	0	111.2	537.3	3.41	08/06/2024
Arsenic		1.0		**507**	500.0	0	101.4	511.4	0.82	08/06/2024
Barium		1.0		**2110**	2000	52.07	103.0	2055	2.75	08/06/2024
Beryllium		1.0		**52.0**	50.00	0	104.1	52.38	0.65	08/06/2024
Boron		25.0		**531**	500.0	0	106.3	540.5	1.71	08/06/2024
Cadmium	*	1.0		**52.0**	50.00	0	104.0	51.01	1.93	08/06/2024
Chromium		1.5		**195**	200.0	0	97.7	207.0	5.73	08/06/2024
Cobalt		1.0		**479**	500.0	0	95.7	492.5	2.84	08/06/2024
Iron		25.0		**2150**	2000	43.26	105.2	2228	3.71	08/06/2024
Lead		1.0		**519**	500.0	0	103.8	545.8	5.04	08/06/2024
Lithium	*	3.0		**535**	500.0	1.655	106.6	541.4	1.26	08/06/2024
Manganese		2.0		**509**	500.0	13.24	99.1	520.6	2.33	08/06/2024
Molybdenum		1.5		**472**	500.0	0	94.5	469.5	0.60	08/06/2024
Nickel		1.0		**480**	500.0	1.259	95.8	484.5	0.91	08/06/2024
Selenium		1.0		**529**	500.0	0	105.7	527.7	0.16	08/06/2024
Silver		1.0		**51.3**	50.00	0	102.6	48.08	6.45	08/06/2024
Thallium		2.0		**211**	250.0	0	84.4	220.7	4.50	08/06/2024
Vanadium		5.0		**487**	500.0	0	97.5	493.8	1.29	08/06/2024
Zinc		15.0		**495**	500.0	0	99.0	501.4	1.32	08/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226612 **SampType:** MBLK Units µg/L

SampID: MBLK-226612

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/08/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/05/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/05/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/05/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/05/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/05/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/05/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/05/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/05/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	08/08/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/06/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/05/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/05/2024

Batch 226612 **SampType:** LCS Units µg/L

SampID: LCS-226612

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**546**	500.0	0	109.3	80	120	08/08/2024
Arsenic		1.0		**503**	500.0	0	100.5	80	120	08/05/2024
Barium		1.0		**2060**	2000	0	102.8	80	120	08/05/2024
Beryllium		1.0		**47.8**	50.00	0	95.6	80	120	08/05/2024
Boron		25.0		**501**	500.0	0	100.2	80	120	08/05/2024
Cadmium	*	1.0		**49.1**	50.00	0	98.1	80	120	08/05/2024
Chromium		1.5		**184**	200.0	0	92.1	80	120	08/05/2024
Cobalt		1.0		**475**	500.0	0	95.1	80	120	08/05/2024
Lead		1.0		**484**	500.0	0	96.8	80	120	08/05/2024
Lithium	*	3.0		**515**	500.0	0	102.9	80	120	08/08/2024
Molybdenum		1.5		**449**	500.0	0	89.8	80	120	08/06/2024
Selenium		1.0		**544**	500.0	0	108.7	80	120	08/05/2024
Thallium		2.0		**235**	250.0	0	94.1	80	120	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226612 **SampType:** MS Units **µg/L**

SampID: 24071451-077BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**542**	500.0	0.4677	108.4	75	125	08/08/2024
Arsenic		1.0		**519**	500.0	0	103.8	75	125	08/05/2024
Barium		1.0		**2240**	2000	129.2	105.8	75	125	08/05/2024
Beryllium		1.0		**51.5**	50.00	0	103.0	75	125	08/05/2024
Boron		25.0		**536**	500.0	25.54	102.2	75	125	08/05/2024
Cadmium	*	1.0		**50.6**	50.00	0	101.2	75	125	08/05/2024
Chromium		1.5		**187**	200.0	0	93.4	75	125	08/05/2024
Cobalt		1.0		**474**	500.0	0.4633	94.7	75	125	08/05/2024
Lead		1.0		**501**	500.0	0	100.1	75	125	08/05/2024
Lithium	*	3.0		**521**	500.0	3.259	103.6	75	125	08/08/2024
Molybdenum		1.5		**448**	500.0	1.109	89.4	75	125	08/06/2024
Selenium		1.0		**555**	500.0	0	111.0	75	125	08/05/2024
Thallium		2.0		**245**	250.0	0	98.1	75	125	08/05/2024

Batch 226612 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24071451-077BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**551**	500.0	0.4677	110.2	542.3	1.68	08/08/2024
Arsenic		1.0		**494**	500.0	0	98.9	519.0	4.85	08/05/2024
Barium		1.0		**2200**	2000	129.2	103.4	2245	2.13	08/05/2024
Beryllium		1.0		**52.1**	50.00	0	104.3	51.51	1.20	08/05/2024
Boron		25.0		**534**	500.0	25.54	101.7	536.3	0.40	08/05/2024
Cadmium	*	1.0		**49.1**	50.00	0	98.1	50.62	3.15	08/05/2024
Chromium		1.5		**181**	200.0	0	90.3	186.9	3.41	08/05/2024
Cobalt		1.0		**454**	500.0	0.4633	90.6	473.8	4.35	08/05/2024
Lead		1.0		**492**	500.0	0	98.3	500.6	1.79	08/05/2024
Lithium	*	3.0		**523**	500.0	3.259	104.0	521.4	0.36	08/08/2024
Molybdenum		1.5		**468**	500.0	2.103	93.3	431.5	8.21	08/06/2024
Selenium		1.0		**528**	500.0	0	105.5	555.0	5.08	08/05/2024
Thallium		2.0		**242**	250.0	0	97.0	245.3	1.16	08/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226738 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226738

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/08/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/08/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/08/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/08/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/08/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/08/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/08/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/08/2024
Copper	*	1.0		**< 1.0**	0.2980	0	0	-100	100	08/08/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/09/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/08/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	08/08/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/08/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/09/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/08/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/08/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	08/08/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/08/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226738 **SampType:** LCS Units **µg/L**
SampID: LCS-226738

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**539**	500.0	0	107.9	80	120	08/08/2024
Arsenic		1.0		**530**	500.0	0	105.9	80	120	08/08/2024
Barium		1.0		**2100**	2000	0	104.9	80	120	08/08/2024
Beryllium		1.0		**50.2**	50.00	0	100.5	80	120	08/08/2024
Boron		25.0		**529**	500.0	0	105.8	80	120	08/09/2024
Boron		25.0		**518**	500.0	0	103.5	80	120	08/08/2024
Cadmium	*	1.0		**50.4**	50.00	0	100.9	80	120	08/08/2024
Chromium		1.5		**208**	200.0	0	104.2	80	120	08/08/2024
Cobalt		1.0		**525**	500.0	0	104.9	80	120	08/08/2024
Copper	*	1.0		**255**	250.0	0	102.1	80	120	08/08/2024
Iron		25.0		**2260**	2000	0	113.1	80	120	08/09/2024
Lead		1.0		**495**	500.0	0	98.9	80	120	08/08/2024
Lithium	*	3.0		**521**	500.0	0	104.2	80	120	08/08/2024
Lithium	*	3.0		**538**	500.0	0	107.5	80	120	08/09/2024
Manganese		2.0		**520**	500.0	0	104.1	80	120	08/08/2024
Molybdenum		1.5		**477**	500.0	0	95.4	80	120	08/09/2024
Nickel		1.0		**514**	500.0	0	102.8	80	120	08/08/2024
Selenium		1.0		**531**	500.0	0	106.2	80	120	08/08/2024
Silver		1.0		**50.9**	50.00	0	101.7	80	120	08/08/2024
Thallium		2.0		**248**	250.0	0	99.2	80	120	08/08/2024
Zinc		15.0		**514**	500.0	0	102.9	80	120	08/08/2024

Batch 226738 **SampType:** MS Units **µg/L**
SampID: 24071451-012CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**556**	500.0	0	111.2	75	125	08/08/2024

Batch 226738 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 24071451-012CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0		**539**	500.0	0	107.8	556.1	3.13	08/08/2024

Batch 226738 **SampType:** MS Units **µg/L**
SampID: 24071451-030CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		25.0		**2400**	2000	208.2	109.7	75	125	08/09/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226738 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24071451-030CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		25.0		**2450**	2000	208.2	111.9	2403	1.75	08/09/2024

Batch 226774 **SampType:** MBLK Units µg/L

SampID: MBLK-226774

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	S	**2.6**	0.4500	0	568.1	-100	100	08/09/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/12/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/09/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/09/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/09/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/09/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/09/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/09/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/09/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/09/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	08/12/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/09/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/09/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/09/2024

Batch 226774 **SampType:** LCS Units µg/L

SampID: LCS-226774

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	B	**573**	500.0	0	114.6	80	120	08/09/2024
Arsenic		1.0		**549**	500.0	0	109.9	80	120	08/09/2024
Barium		1.0		**2220**	2000	0	110.9	80	120	08/09/2024
Beryllium		1.0		**47.2**	50.00	0	94.3	80	120	08/09/2024
Boron		25.0		**490**	500.0	0	98.0	80	120	08/09/2024
Cadmium	*	1.0		**51.2**	50.00	0	102.5	80	120	08/09/2024
Chromium		1.5		**199**	200.0	0	99.3	80	120	08/09/2024
Cobalt		1.0		**524**	500.0	0	104.9	80	120	08/09/2024
Lead		1.0		**519**	500.0	0	103.7	80	120	08/09/2024
Lithium	*	3.0		**567**	500.0	0	113.4	80	120	08/12/2024
Molybdenum		1.5		**480**	500.0	0	96.1	80	120	08/09/2024
Selenium		1.0		**593**	500.0	0	118.5	80	120	08/09/2024
Thallium		2.0		**255**	250.0	0	101.9	80	120	08/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226774 **SampType:** MS Units **µg/L**

SampID: 24071451-101BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	B	**563**	500.0	0.5734	112.5	75	125	08/09/2024
Arsenic		1.0		**544**	500.0	0	108.7	75	125	08/09/2024
Barium		1.0		**2120**	2000	13.28	105.6	75	125	08/09/2024
Beryllium		1.0		**46.1**	50.00	0	92.2	75	125	08/09/2024
Boron		25.0		**2510**	500.0	2066	88.4	75	125	08/09/2024
Cadmium	*	1.0		**48.8**	50.00	0	97.6	75	125	08/09/2024
Chromium		1.5		**186**	200.0	0	93.2	75	125	08/09/2024
Cobalt		1.0		**488**	500.0	1.189	97.4	75	125	08/09/2024
Lead		1.0		**503**	500.0	0	100.7	75	125	08/09/2024
Lithium	*	3.0		**532**	500.0	4.417	105.6	75	125	08/12/2024
Molybdenum		1.5		**476**	500.0	0	95.2	75	125	08/09/2024
Selenium		1.0		**560**	500.0	0	111.9	75	125	08/09/2024
Thallium		2.0		**247**	250.0	0	98.8	75	125	08/09/2024

Batch 226774 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24071451-101BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0	B	**591**	500.0	0.5734	118.0	563.2	4.78	08/09/2024
Arsenic		1.0		**547**	500.0	0	109.4	543.5	0.63	08/09/2024
Barium		1.0		**2210**	2000	13.28	109.8	2124	3.89	08/09/2024
Beryllium		1.0		**47.6**	50.00	0	95.1	46.09	3.12	08/09/2024
Boron		25.0		**2540**	500.0	2066	94.0	2508	1.13	08/09/2024
Cadmium	*	1.0		**51.5**	50.00	0	103.1	48.80	5.49	08/09/2024
Chromium		1.5		**193**	200.0	0	96.5	186.4	3.42	08/09/2024
Cobalt		1.0		**510**	500.0	1.189	101.7	488.3	4.32	08/09/2024
Lead		1.0		**518**	500.0	0	103.6	503.4	2.84	08/09/2024
Lithium	*	3.0		**570**	500.0	4.417	113.1	532.4	6.79	08/12/2024
Molybdenum		1.5		**498**	500.0	0	99.6	475.9	4.53	08/09/2024
Selenium		1.0		**565**	500.0	0	113.0	559.5	0.95	08/09/2024
Thallium		2.0		**254**	250.0	0	101.8	246.9	3.01	08/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226782 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226782

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/09/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/09/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/09/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/09/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/09/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/09/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/09/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/09/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/09/2024
Copper	*	1.0		**< 1.0**	0.2980	0	0	-100	100	08/09/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/12/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/09/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	08/09/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/09/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/09/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/09/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/09/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	08/09/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/09/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/09/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226782 **SampType:** LCS Units **µg/L**

SampID: LCS-226782

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2100**	2000	0	104.8	80	120	08/09/2024
Antimony		1.0		**580**	500.0	0	116.0	80	120	08/12/2024
Antimony		1.0	S	**620**	500.0	0	124.0	80	120	08/09/2024
Arsenic		1.0		**549**	500.0	0	109.9	80	120	08/09/2024
Barium		1.0		**2320**	2000	0	116.1	80	120	08/09/2024
Beryllium		1.0		**43.4**	50.00	0	86.9	80	120	08/09/2024
Boron		25.0		**433**	500.0	0	86.6	80	120	08/09/2024
Cadmium	*	1.0		**51.6**	50.00	0	103.2	80	120	08/09/2024
Chromium		1.5		**200**	200.0	0	100.0	80	120	08/09/2024
Cobalt		1.0		**529**	500.0	0	105.8	80	120	08/09/2024
Copper	*	1.0		**247**	250.0	0	98.9	80	120	08/09/2024
Iron		25.0		**2230**	2000	0	111.3	80	120	08/12/2024
Lead		1.0		**526**	500.0	0	105.1	80	120	08/09/2024
Lithium	*	3.0		**532**	500.0	0	106.4	80	120	08/09/2024
Manganese		2.0		**592**	500.0	0	118.4	80	120	08/09/2024
Molybdenum		1.5		**483**	500.0	0	96.6	80	120	08/09/2024
Nickel		1.0		**560**	500.0	0	111.9	80	120	08/09/2024
Selenium		1.0		**585**	500.0	0	117.1	80	120	08/09/2024
Silver		1.0		**50.4**	50.00	0	100.9	80	120	08/09/2024
Thallium		2.0		**258**	250.0	0	103.1	80	120	08/09/2024
Vanadium		5.0		**562**	500.0	0	112.4	80	120	08/09/2024
Zinc		15.0		**533**	500.0	0	106.6	80	120	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226782 **SampType:** MS Units **µg/L**

SampID: 24071451-038CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1970**	2000	33.06	96.8	75	125	08/09/2024
Antimony		1.0		**572**	500.0	0	114.4	75	125	08/09/2024
Arsenic		1.0		**538**	500.0	1.876	107.3	75	125	08/09/2024
Barium		1.0		**2200**	2000	29.61	108.4	75	125	08/09/2024
Beryllium		1.0		**43.7**	50.00	0	87.4	75	125	08/09/2024
Boron		25.0		**1090**	500.0	576.0	102.7	75	125	08/09/2024
Cadmium	*	1.0		**50.5**	50.00	0	101.0	75	125	08/09/2024
Chromium		1.5		**186**	200.0	0	93.2	75	125	08/09/2024
Cobalt		1.0		**502**	500.0	0.4437	100.3	75	125	08/09/2024
Copper	*	1.0		**222**	250.0	0	88.7	75	125	08/09/2024
Iron		25.0		**4300**	2000	1931	118.3	75	125	08/12/2024
Lead		1.0		**510**	500.0	0	102.1	75	125	08/09/2024
Lithium	*	3.0		**589**	500.0	6.682	116.5	75	125	08/09/2024
Manganese		2.0		**1100**	500.0	513.3	116.4	75	125	08/12/2024
Molybdenum		1.5		**485**	500.0	0	96.9	75	125	08/09/2024
Nickel		1.0		**501**	500.0	0	100.2	75	125	08/09/2024
Selenium		1.0		**552**	500.0	0	110.3	75	125	08/09/2024
Silver		1.0		**47.6**	50.00	0	95.1	75	125	08/09/2024
Thallium		2.0		**253**	250.0	0	101.4	75	125	08/09/2024
Vanadium		5.0		**533**	500.0	0	106.7	75	125	08/09/2024
Zinc		15.0		**510**	500.0	0	102.0	75	125	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226782 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24071451-038CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**1980**	2000	33.06	97.2	1968	0.42	08/09/2024
Antimony		1.0		**570**	500.0	0	114.1	571.9	0.25	08/09/2024
Arsenic		1.0		**531**	500.0	1.876	105.9	538.2	1.26	08/09/2024
Barium		1.0		**2160**	2000	29.61	106.4	2198	1.91	08/09/2024
Beryllium		1.0		**43.7**	50.00	0	87.5	43.70	0.11	08/09/2024
Boron		25.0		**1080**	500.0	576.0	101.0	1090	0.79	08/09/2024
Cadmium	*	1.0		**49.8**	50.00	0	99.6	50.48	1.35	08/09/2024
Chromium		1.5		**187**	200.0	0	93.3	186.4	0.08	08/09/2024
Cobalt		1.0		**496**	500.0	0.4437	99.0	502.0	1.30	08/09/2024
Copper	*	1.0		**220**	250.0	0	88.1	221.8	0.65	08/09/2024
Iron		25.0		**4420**	2000	1931	124.4	4297	2.80	08/12/2024
Lead		1.0		**513**	500.0	0	102.7	510.5	0.57	08/09/2024
Lithium	*	3.0		**575**	500.0	6.682	113.6	589.1	2.49	08/09/2024
Manganese		2.0		**1130**	500.0	513.3	122.5	1095	2.74	08/12/2024
Molybdenum		1.5		**480**	500.0	0	96.0	484.6	0.99	08/09/2024
Nickel		1.0		**499**	500.0	0	99.9	501.1	0.34	08/09/2024
Selenium		1.0		**544**	500.0	0	108.7	551.7	1.45	08/09/2024
Silver		1.0		**47.4**	50.00	0	94.8	47.56	0.33	08/09/2024
Thallium		2.0		**257**	250.0	0	102.8	253.4	1.38	08/09/2024
Vanadium		5.0		**545**	500.0	0	109.0	533.3	2.21	08/09/2024
Zinc		15.0		**518**	500.0	0	103.6	509.8	1.65	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226782 **SampType:** MS Units **µg/L**

SampID: 24071451-099CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**588**	500.0	0	117.6	75	125	08/09/2024
Arsenic		1.0		**566**	500.0	0	113.3	75	125	08/09/2024
Barium		1.0		**2240**	2000	51.94	109.6	75	125	08/09/2024
Beryllium		1.0		**49.9**	50.00	0	99.8	75	125	08/09/2024
Boron		25.0		**511**	500.0	0	102.2	75	125	08/09/2024
Cadmium	*	1.0		**52.1**	50.00	0	104.3	75	125	08/09/2024
Chromium		1.5		**199**	200.0	0	99.5	75	125	08/09/2024
Cobalt		1.0		**507**	500.0	0	101.3	75	125	08/09/2024
Copper	*	1.0		**236**	250.0	0	94.4	75	125	08/09/2024
Lead		1.0		**527**	500.0	0	105.4	75	125	08/09/2024
Lithium	*	3.0		**580**	500.0	5.263	114.9	75	125	08/12/2024
Manganese		2.0		**655**	500.0	91.51	112.6	75	125	08/12/2024
Molybdenum		1.5		**495**	500.0	0	99.1	75	125	08/09/2024
Nickel		1.0		**535**	500.0	0	107.1	75	125	08/09/2024
Selenium		1.0		**600**	500.0	2.409	119.5	75	125	08/09/2024
Silver		1.0		**49.6**	50.00	0	99.3	75	125	08/09/2024
Thallium		2.0		**262**	250.0	0	104.7	75	125	08/09/2024
Vanadium		5.0		**563**	500.0	0	112.6	75	125	08/09/2024
Zinc		15.0		**541**	500.0	0	108.1	75	125	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226782 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24071451-099CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**581**	500.0	0	116.3	587.9	1.13	08/09/2024
Arsenic		1.0		**550**	500.0	0	110.1	566.4	2.88	08/09/2024
Barium		1.0		**2240**	2000	51.94	109.6	2244	0.02	08/09/2024
Beryllium		1.0		**48.4**	50.00	0	96.7	49.88	3.07	08/09/2024
Boron		25.0		**517**	500.0	0	103.4	511.2	1.12	08/09/2024
Cadmium	*	1.0		**51.7**	50.00	0	103.3	52.14	0.89	08/09/2024
Chromium		1.5		**202**	200.0	0	100.9	198.9	1.40	08/09/2024
Cobalt		1.0		**511**	500.0	0	102.2	506.7	0.90	08/09/2024
Copper	*	1.0		**231**	250.0	0	92.5	235.9	1.98	08/09/2024
Lead		1.0		**527**	500.0	0	105.4	527.1	0.01	08/09/2024
Lithium	*	3.0		**567**	500.0	5.263	112.3	579.9	2.29	08/12/2024
Manganese		2.0		**638**	500.0	91.51	109.4	654.7	2.54	08/12/2024
Molybdenum		1.5		**490**	500.0	0	98.0	495.4	1.12	08/09/2024
Nickel		1.0		**536**	500.0	0	107.2	535.5	0.13	08/09/2024
Selenium		1.0		**588**	500.0	2.409	117.1	600.1	2.07	08/09/2024
Silver		1.0		**48.9**	50.00	0	97.7	49.64	1.59	08/09/2024
Thallium		2.0		**262**	250.0	0	104.8	261.7	0.11	08/09/2024
Vanadium		5.0		**573**	500.0	0	114.7	562.9	1.83	08/09/2024
Zinc		15.0		**525**	500.0	0	104.9	540.5	2.99	08/12/2024

Batch 226848 **SampType:** MBLK Units µg/L

SampID: MBLK-226848

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Copper	*	1.0		**< 1.0**	0.2980	0	0	-100	100	08/09/2024

Batch 226848 **SampType:** LCS Units µg/L

SampID: LCS-226848

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Copper	*	1.0		**244**	250.0	0	97.7	80	120	08/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226877 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/12/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/12/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/12/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/12/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/12/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/12/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/12/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/12/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/12/2024
Copper	*	1.0		**< 1.0**	0.2980	0	0	-100	100	08/12/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/12/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/12/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	08/12/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/12/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/12/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/12/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/12/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	08/12/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/12/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/12/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226877 **SampType:** LCS Units **µg/L**

SampID: LCS-226877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1870**	2000	0	93.3	80	120	08/12/2024
Antimony		1.0		**511**	500.0	0	102.1	80	120	08/12/2024
Arsenic		1.0		**469**	500.0	0	93.7	80	120	08/12/2024
Barium		1.0		**1890**	2000	0	94.5	80	120	08/12/2024
Beryllium		1.0		**47.7**	50.00	0	95.3	80	120	08/12/2024
Boron		25.0		**467**	500.0	0	93.3	80	120	08/12/2024
Cadmium	*	1.0		**47.0**	50.00	0	93.9	80	120	08/12/2024
Chromium		1.5		**197**	200.0	0	98.3	80	120	08/12/2024
Cobalt		1.0		**469**	500.0	0	93.8	80	120	08/12/2024
Copper	*	1.0		**231**	250.0	0	92.4	80	120	08/12/2024
Iron		25.0		**1940**	2000	0	97.1	80	120	08/12/2024
Lead		1.0		**450**	500.0	0	90.0	80	120	08/12/2024
Lithium	*	3.0		**507**	500.0	0	101.4	80	120	08/12/2024
Manganese		2.0		**473**	500.0	0	94.7	80	120	08/12/2024
Molybdenum		1.5		**420**	500.0	0	83.9	80	120	08/12/2024
Nickel		1.0		**461**	500.0	0	92.2	80	120	08/12/2024
Selenium		1.0		**461**	500.0	0	92.2	80	120	08/12/2024
Silver		1.0		**51.0**	50.00	0	101.9	80	120	08/12/2024
Thallium		2.0		**209**	250.0	0	83.4	80	120	08/12/2024
Vanadium		5.0		**473**	500.0	0	94.6	80	120	08/12/2024
Zinc		15.0		**460**	500.0	0	92.0	80	120	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226881 **SampType:** MBLK Units **µg/L**

SampID: MBLK-226881

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	08/12/2024
Antimony		1.0	S	**1.2**	0.4500	0	261.1	-100	100	08/12/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/12/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	08/12/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	08/12/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/12/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/12/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/12/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/12/2024
Copper	*	1.0		**< 1.0**	0.2980	0	0	-100	100	08/12/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/12/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/12/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	08/12/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/12/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	08/12/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/12/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	08/12/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	08/12/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/12/2024
Vanadium		5.0	J	**4.3**	5.000	0	86.0	-100	100	08/12/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 226881 **SampType:** LCS Units **µg/L**

SampID: LCS-226881

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1840**	2000	0	91.8	80	120	08/12/2024
Antimony		1.0	B	**510**	500.0	0	101.9	80	120	08/12/2024
Arsenic		1.0		**468**	500.0	0	93.6	80	120	08/12/2024
Barium		1.0		**1900**	2000	0	95.0	80	120	08/12/2024
Beryllium		1.0		**48.8**	50.00	0	97.6	80	120	08/12/2024
Boron		25.0		**515**	500.0	0	103.0	80	120	08/12/2024
Cadmium	*	1.0		**48.2**	50.00	0	96.3	80	120	08/12/2024
Chromium		1.5		**199**	200.0	0	99.3	80	120	08/12/2024
Cobalt		1.0		**465**	500.0	0	93.0	80	120	08/12/2024
Copper	*	1.0		**231**	250.0	0	92.3	80	120	08/12/2024
Iron		25.0		**2030**	2000	0	101.4	80	120	08/12/2024
Lead		1.0		**464**	500.0	0	92.8	80	120	08/12/2024
Lithium	*	3.0		**518**	500.0	0	103.6	80	120	08/12/2024
Manganese		2.0		**477**	500.0	0	95.4	80	120	08/12/2024
Molybdenum		1.5		**412**	500.0	0	82.5	80	120	08/12/2024
Nickel		1.0		**462**	500.0	0	92.4	80	120	08/12/2024
Selenium		1.0		**469**	500.0	0	93.8	80	120	08/12/2024
Silver		1.0		**49.3**	50.00	0	98.7	80	120	08/12/2024
Thallium		2.0		**223**	250.0	0	89.2	80	120	08/12/2024
Vanadium		5.0	B	**484**	500.0	0	96.8	80	120	08/12/2024
Zinc		15.0		**464**	500.0	0	92.8	80	120	08/12/2024

Batch 226881 **SampType:** MS Units **µg/L**

SampID: 24071451-087BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**500**	500.0	1.969	99.6	75	125	08/13/2024

Batch 226881 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24071451-087BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**485**	500.0	1.969	96.6	500.1	3.11	08/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 227725 **SampType:** MBLK Units µg/L

SampID: MBLK-227725

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	09/04/2024
Antimony		1.0	S	**2.1**	0.4500	0	463.4	-100	100	08/29/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	08/30/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/30/2024
Cadmium	*	1.0		**< 1.0**	0.1340	0	0	-100	100	08/29/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	08/29/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/29/2024
Copper	*	1.0		**< 1.0**	0.2980	0	0	-100	100	08/29/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/30/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/29/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	08/29/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	08/29/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/30/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	08/29/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	08/29/2024

Batch 227725 **SampType:** LCS Units µg/L

SampID: LCS-227725

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**1950**	2000	0	97.7	80	120	09/04/2024
Antimony		1.0	B	**560**	500.0	0	112.0	80	120	08/29/2024
Boron		25.0		**569**	500.0	0	113.8	80	120	08/30/2024
Cadmium	*	1.0		**47.1**	50.00	0	94.2	80	120	08/29/2024
Chromium		1.5		**195**	200.0	0	97.7	80	120	08/29/2024
Cobalt		1.0		**492**	500.0	0	98.4	80	120	08/29/2024
Copper	*	1.0		**236**	250.0	0	94.5	80	120	08/29/2024
Iron		25.0		**2140**	2000	0	107.0	80	120	08/30/2024
Lead		1.0		**473**	500.0	0	94.6	80	120	08/29/2024
Manganese		2.0		**536**	500.0	0	107.1	80	120	08/29/2024
Nickel		1.0		**477**	500.0	0	95.4	80	120	08/29/2024
Thallium		2.0		**271**	250.0	0	108.4	80	120	08/30/2024
Vanadium		5.0		**499**	500.0	0	99.8	80	120	08/29/2024
Zinc		15.0		**497**	500.0	0	99.5	80	120	08/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 227726 **SampType:** MBLK Units **µg/L**
SampID: MBLK-227726

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	08/29/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/30/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	09/04/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	08/29/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	08/30/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	08/29/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	08/30/2024

Batch 227726 **SampType:** LCS Units **µg/L**
SampID: LCS-227726

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2110**	2000	0	105.5	80	120	09/03/2024
Antimony		1.0		**536**	500.0	0	107.3	80	120	09/03/2024
Arsenic		1.0		**542**	500.0	0	108.5	80	120	08/29/2024
Boron		25.0		**510**	500.0	0	102.0	80	120	09/04/2024
Cobalt		1.0		**477**	500.0	0	95.5	80	120	08/29/2024
Iron		25.0		**2050**	2000	0	102.7	80	120	09/03/2024
Lead		1.0		**483**	500.0	0	96.6	80	120	08/29/2024
Thallium		2.0		**222**	250.0	0	88.7	80	120	09/03/2024

Batch 227779 **SampType:** MBLK Units **µg/L**
SampID: MBLK-227779

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	09/03/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	09/03/2024

Batch 227779 **SampType:** LCS Units **µg/L**
SampID: LCS-227779

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		1.0		**529**	500.0	0	105.7	80	120	09/03/2024
Zinc		15.0		**507**	500.0	0	101.5	80	120	09/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

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

Batch 227783 **SampType:** MBLK Units µg/L
SampID: MBLK-227783

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	09/03/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	09/05/2024
Antimony		1.0	S	**1.0**	0.4500	0	224.5	-100	100	09/03/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	08/30/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	09/03/2024
Copper	*	1.0		**< 1.0**	0.2980	0	0	-100	100	09/03/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	09/03/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	09/03/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	09/03/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	09/03/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	09/03/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	09/03/2024

Batch 227783 **SampType:** LCS Units µg/L
SampID: LCS-227783

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**2090**	2000	0	104.6	80	120	09/03/2024
Antimony		1.0	B	**508**	500.0	0	101.6	80	120	09/03/2024
Boron		25.0		**455**	500.0	0	91.0	80	120	08/30/2024
Chromium		1.5		**203**	200.0	0	101.4	80	120	09/03/2024
Copper	*	1.0		**252**	250.0	0	100.9	80	120	09/03/2024
Iron		25.0		**1970**	2000	0	98.7	80	120	09/03/2024
Lead		1.0		**499**	500.0	0	99.8	80	120	09/03/2024
Nickel		1.0		**500**	500.0	0	100.0	80	120	09/03/2024
Thallium		2.0		**242**	250.0	0	96.7	80	120	09/03/2024
Vanadium		5.0		**511**	500.0	0	102.3	80	120	09/03/2024
Zinc		15.0		**476**	500.0	0	95.2	80	120	09/03/2024

SW-846 7470A (DISSOLVED)

Batch 226496 **SampType:** MS Units µg/L
SampID: 24071451-028DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.08**	5.000	0	101.5	75	125	08/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 7470A (DISSOLVED)

Batch 226496 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24071451-028DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.86**	5.000	0	97.1	5.076	4.43	08/02/2024

Batch 226793 **SampType:** MS Units µg/L
SampID: 24080359-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.07**	5.000	0	101.4	75	125	08/08/2024

Batch 226793 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24080359-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.00**	5.000	0	100.0	5.069	1.39	08/08/2024

Batch 226812 **SampType:** MS Units µg/L
SampID: 24071451-009CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.90**	5.000	0	98.0	75	125	08/08/2024

Batch 226812 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24071451-009CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.02**	5.000	0	100.3	4.901	2.32	08/08/2024

Batch 226813 **SampType:** MS Units µg/L
SampID: 24071451-102DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.16**	5.000	0	83.3	75	125	08/08/2024

Batch 226813 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24071451-102DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.15**	5.000	0	83.1	4.164	0.27	08/08/2024

Batch 226964 **SampType:** MS Units µg/L
SampID: 24071451-100DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.76**	5.000	0	95.2	75	125	08/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 7470A (DISSOLVED)

Batch 226964 **SampType:** MSD Units µg/L RPD Limit 15

SampID: 24071451-100DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.78**	5.000	0	95.5	4.760	0.34	08/13/2024

SW-846 7470A (TOTAL)

Batch 226496 **SampType:** MBLK Units µg/L

SampID: MBLK-226496

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	08/02/2024

Batch 226496 **SampType:** LCS Units µg/L

SampID: LCS-226496

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.32**	5.000	0	106.5	85	115	08/02/2024

Batch 226496 **SampType:** MS Units µg/L

SampID: 24071451-048CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.99**	5.000	0	99.8	75	125	08/02/2024

Batch 226496 **SampType:** MSD Units µg/L RPD Limit 15

SampID: 24071451-048CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.07**	5.000	0	101.4	4.992	1.52	08/02/2024

Batch 226518 **SampType:** MBLK Units µg/L

SampID: MBLK-226518

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	08/02/2024

Batch 226518 **SampType:** LCS Units µg/L

SampID: LCS-226518

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.75**	5.000	0	95.0	85	115	08/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24071451
Client Project: COF-24Q3
Report Date: 13-Sep-24

SW-846 7470A (TOTAL)

Batch 226541 **SampType:** MS Units µg/L
SampID: 24071451-046CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.52**	5.000	0	110.4	75	125	08/05/2024

Batch 226541 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24071451-046CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.43**	5.000	0	108.7	5.522	1.63	08/05/2024

Batch 226541 **SampType:** MS Units µg/L
SampID: 24071451-072BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.34**	5.000	0	106.9	75	125	08/05/2024

Batch 226541 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24071451-072BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.28**	5.000	0	105.7	5.344	1.14	08/05/2024

Batch 226645 **SampType:** MBLK Units µg/L
SampID: MBLK-226645

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	08/06/2024

Batch 226645 **SampType:** LCS Units µg/L
SampID: LCS-226645

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	08/06/2024

Batch 226645 **SampType:** MS Units µg/L
SampID: 24071451-054CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20	S	**1.41**	5.000	0	28.1	75	125	08/06/2024

Batch 226645 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24071451-054CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20	S	**1.22**	5.000	0	24.4	1.406	14.03	08/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 7470A (TOTAL)

Batch 226758 **SampType:** MBLK Units µg/L
SampID: MBLK-226758

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	08/07/2024

Batch 226758 **SampType:** LCS Units µg/L
SampID: LCS-226758

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.97**	5.000	0	99.4	85	115	08/07/2024

Batch 226758 **SampType:** MS Units µg/L
SampID: 24071451-073BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.45**	5.000	0	88.9	75	125	08/07/2024

Batch 226758 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24071451-073BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.32**	5.000	0	86.5	4.445	2.77	08/07/2024

Batch 226762 **SampType:** MBLK Units µg/L
SampID: MBLK-226762

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	08/07/2024

Batch 226762 **SampType:** LCS Units µg/L
SampID: LCS-226762

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.43**	5.000	0	88.7	85	115	08/07/2024

Batch 226762 **SampType:** MS Units µg/L
SampID: 24071451-025CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.20**	5.000	0	104.1	75	125	08/08/2024

Batch 226762 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24071451-025CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.17**	5.000	0	103.4	5.203	0.64	08/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 7470A (TOTAL)

Batch 226762 **SampType:** MS Units µg/L
SampID: 24071451-034CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.38**	5.000	0	107.5	75	125	08/08/2024

Batch 226762 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24071451-034CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.43**	5.000	0	108.6	5.376	0.98	08/08/2024

Batch 226776 **SampType:** MBLK Units µg/L
SampID: MBLK-226776

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	08/08/2024

Batch 226776 **SampType:** LCS Units µg/L
SampID: LCS-226776

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.31**	5.000	0	106.2	85	115	08/08/2024

Batch 226776 **SampType:** MS Units µg/L
SampID: 24071451-036CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.13**	5.000	0	102.6	75	125	08/08/2024

Batch 226776 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24071451-036CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.25**	5.000	0	105.1	5.132	2.33	08/08/2024

Batch 226776 **SampType:** MS Units µg/L
SampID: 24071451-067BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.88**	5.000	0	97.6	75	125	08/08/2024

Batch 226776 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24071451-067BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.84**	5.000	0	96.7	4.879	0.87	08/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 7470A (TOTAL)

Batch 226793 **SampType:** MBLK Units µg/L
SampID: MBLK-226793

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	08/08/2024

Batch 226793 **SampType:** LCS Units µg/L
SampID: LCS-226793

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.14**	5.000	0	102.8	85	115	08/08/2024

Batch 226793 **SampType:** MS Units µg/L
SampID: 24071451-008CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.25**	5.000	0	105.1	75	125	08/08/2024

Batch 226793 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24071451-008CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.14**	5.000	0	102.7	5.253	2.23	08/08/2024

Batch 226812 **SampType:** MBLK Units µg/L
SampID: MBLK-226812

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	08/08/2024

Batch 226812 **SampType:** LCS Units µg/L
SampID: LCS-226812

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.77**	5.000	0	95.4	85	115	08/08/2024

Batch 226812 **SampType:** MS Units µg/L
SampID: 24071451-088CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.95**	5.000	0	98.9	75	125	08/08/2024

Batch 226812 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24071451-088CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.88**	5.000	0	97.7	4.946	1.26	08/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24071451

Client Project: COF-24Q3 **Report Date:** 13-Sep-24

SW-846 7470A (TOTAL)

Batch 226813 **SampType:** MBLK Units µg/L
SampID: MBLK-226813

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	08/08/2024

Batch 226884 **SampType:** MBLK Units µg/L
SampID: MBLK-226884

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	08/12/2024

Batch 226884 **SampType:** LCS Units µg/L
SampID: LCS-226884

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.44**	5.000	0	108.8	85	115	08/12/2024

Batch 226884 **SampType:** MS Units µg/L
SampID: 24071451-044CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.58**	5.000	0	111.6	75	125	08/13/2024

Batch 226884 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24071451-044CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**5.44**	5.000	0	108.8	5.580	2.52	08/13/2024

Batch 226964 **SampType:** MBLK Units µg/L
SampID: MBLK-226964

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**< 0.20**	0.0550	0	0	-100	100	08/12/2024

Batch 226964 **SampType:** LCS Units µg/L
SampID: LCS-226964

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**5.51**	5.000	0	110.2	85	115	08/12/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

Client: Ramboll
Client Project: COF-24Q3

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

Carrier: Daniel Crump
Received By: AMD

Completed by: Amber Dilallo
On: 30-Jul-24

Reviewed by: Ellie Hopkins
On: 12-Aug-24

Pages to follow: Chain of custody 31 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 5.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑

Any No responses must be detailed below or on the COC.

Samples were received on 7/30/24 at 1615 on ice/blue ice [5.9C - LTG#5]. Additional Nitric Acid (98584) was needed upon arrival at the laboratory for G277. pH strip #89660/96651. - amberdilallo - 7/30/2024 4:58:45 PM

Samples were received on 7/31/24 at 16:30 on ice [15.9C - LTG#5]. - pschultz - 8/1/2024 8:09:51 AM
pH strip #96651/89660. - pschultz - 8/1/2024 8:10:48 AM
Additional Nitric Acid (98584) preservative was needed for G219, G303, G313, G314, G314D, and G316 upon arrival at the laboratory. - pschultz - 8/1/2024 8:10:56 AM
Additional Sodium Hydroxide (95443) preservative was needed for G278 upon arrival at the laboratory. - pschultz - 8/1/2024 8:10:58 AM
Sample G278 was filtered for the dissolved parameters upon arrival at the laboratory. Unable to dissolve for the metals analyses because the container was already preserved. - pschultz - 8/1/2024 8:11:02 AM

Samples were received on 8/1/24 at 1558 on ice [14.3C - LTG#5]. pH strip #89660/96651. Additional Sodium Hydroxide (95443) was needed upon arrival at the laboratory for G153. Additional Nitric Acid (99172) was needed upon arrival at the laboratory for G402, G403 and G407. - amberdilallo - 8/1/2024 4:41:25 PM

Samples were received on 8/2/24 at 1310 on ice [11.3C - LTG#5]. Additional Sodium Hydroxide (95443) was needed upon arrival at the laboratory. pH strip #89660/96651. - amberdilallo - 8/2/2024 1:49:30 PM

Samples were received on 8/5/24 at 1708 on ice [18.5C - LTG#5]. Additional Sodium Hydroxide (95443) was needed upon arrival at the laboratory for G125. Additional Nitric Acid (99172) was needed upon arrival at the laboratory for G312. pH strip #89660/96651. - amberdilallo - 8/6/2024 8:40:05 AM

Receiving Check List

http://www.teklabinc.com/

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

Samples were received on 8/6/24 at 1500 on ice [8.7C - LTG#5]. pH strip #89660/96651. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. - amberdilallo - 8/6/2024 3:45:00 PM

Samples were received on 8/7/24 at 1727 on ice [14.4C - LTG#5]. pH strip #89660/96651. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. - amberdilallo - 8/8/2024 8:33:37 AM

Additional nitric acid (99472) was needed in G28S, L201, L202 and L203 upon arrival at the laboratory. - NO/ehopkins - 8/8/2024 8:48:50 AM

24071451-102

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N): Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122	WT	G				5	2	1	1		1											X										24071451-017
2	G123	WT	G				5	2	1	1		1											X										24071451-018
3	G124	WT	G				5	2	1	1		1											X										24071451-019
4	G125	WT	G				8	2	1	2		1										X	X										24071451-020
5	G126	WT	G				5	2	1	1		1											X										24071451-021
6	G151	WT	G				4	2		1		1																			X		24071451-022
7	G152	WT	G				4	2		1		1																			X		24071451-023
8	G153	WT	G				4	2		1		1																			X		24071451-024
9	G154	WT	G				4	2		2		1																	X		X		24071451-025
10	G155	WT	G				4	2		1		1																			X		24071451-026
11	G200	WT	G				6	2	1	2		1								X		X				X				X			24071451-027
12	G206	WT	G	7-30-24	1337		6	2	1	2		1								X						X				X			24071451-028
13	G206D	WT	G	7-30-24	1306		2	1		1										X						X							24071451-029
14	G207	WT	G	7-30-24	1226		6	2	1	2		1																			X		24071451-030
15	G208	WT	G	7-30-24	1016		6	2	1	2		1																			X		24071451-031
16	G209	WT	G	7-30-24	1109		6	2	1	2		1								X						X				X			24071451-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q3 Rev 0		7-30	1615		7/30/24	1615	5.9	Y	N	Y
							1615			

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

Added HNO3(98584) to G277 total. pH ✓ 9eee57/89eeuo
dm 7/30/24

CHAIN-OF-CUSTODY / Analytical Request Document

24071451

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

Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																											
1	G210	WT	G	7-28-24	1147		6	2	1	2		1																		X			24071451-033
2	G211	WT	G				6	2	1	2		1																		X			24071451-034
3	G212	WT	G				6	2	1	2		1							X						X					X			24071451-035
4	G213	WT	G				6	2	1	2		1							X						X					X			24071451-036
5	G214	WT	G				6	2	1	2		1																		X			24071451-037
6	G215	WT	G				6	2	1	2		1							X						X					X			24071451-038
7	G216	WT	G				6	2	1	2		1																		X			24071451-039
8	G217	WT	G				6	2	1	2		1							X						X					X			24071451-040
9	G218	WT	G				6	2	1	2		1							X						X					X			24071451-041
10	G219	WT	G				3	1		2																	X						24071451-042
11	G220	WT	G				3	1		2																	X						24071451-043
12	G270	WT	G				6	2	1	2		1						X		X				X		X			X	X			24071451-044
13	G271	WT	G				6	2	1	2		1								X						X				X			24071451-045
14	G272	WT	G				6	2	1	2		1																		X			24071451-046
15	G273	WT	G				6	2	1	2		1								X						X				X			24071451-047
16	G274	WT	G	7-30	1351		6	2	1	2		1																		X			24071451-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0		7-30	1615		7/30/24	1615				

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 7-30-24				

CHAIN-OF-CUSTODY / Analytical Request Document

2407[illegible]-102

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Page: 4 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 763-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Valid Matrix Codes: DRINKING WATER OW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; 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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G				6	2	1	2		1						X			X						X						24071451-049
2	G275D	WT	G				2	1		1								X									X						24071451-050
3	G276	WT	G				6	2	1	2		1						X									X			X			24071451-051
4	G277	WT	G	7-30	1239		6	2	1	2		1						X									X			X			24071451-052
5	G278	WT	G				6	2	1	2		1																		X			24071451-053
6	G279	WT	G	7-30	1056		6	2	1	2		1						X									X		X	X			24071451-054
7	G280	WT	G	7-30	1150		6	2	1	2		1						X	X		X				X		X		X	X			24071451-055
8	G281	WT	G	7-30	1013		4	1		2		1							X	X				X	X				X				24071451-056
9	G283	WT	G				2	1		1								X									X						24071451-057
10	G284	WT	G				2	1		1								X									X						24071451-058
11	G285	WT	G				2	1		1								X									X						24071451-059
12	G301	WT	G				2	1		1								X						X									24071451-060
13	G302	WT	G				2	1		1								X						X									24071451-061
14	G303	WT	G				2	1		1								X						X									24071451-062
15	G305	WT	G				2	1		1								X						X									24071451-063
16	G306	WT	G				2	1		1								X						X									24071451-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0	[signature]	7-30	1615	[signature]	7/30/24	1615

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 Culp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-30-24

CHAIN-OF-CUSTODY / Analytical Request Document

24071451-102

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Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G210	WT	G				6	2	1	2		1																		X			24071451-033
2	G211	WT	G				6	2	1	2		1																		X			24071451-034
3	G212	WT	G				6	2	1	2		1							X						X					X			24071451-035
4	G213	WT	G				6	2	1	2		1							X						X					X			24071451-036
5	G214	WT	G				6	2	1	2		1																		X			24071451-037
6	G215	WT	G				6	2	1	2		1							X						X					X			24071451-038
7	G216	WT	G				6	2	1	2		1																		X			24071451-039
8	G217	WT	G				6	2	1	2		1							X						X					X			24071451-040
9	G218	WT	G	7-31	1003		6	2	1	2		1							X						X					X			24071451-041
10	G219	WT	G	7-31	1116		3	1		2																X							24071451-042
11	G220	WT	G				3	1		2																X							24071451-043
12	G270	WT	G				6	2	1	2		1						X		X				X		X			X	X			24071451-044
13	G271	WT	G	7-31	1124		6	2	1	2		1								X					X					X			24071451-045
14	G272	WT	G	7-31	1043		6	2	1	2		1																		X			24071451-046
15	G273	WT	G	7-31	1002		6	2	1	2		1								X					X					X			24071451-047
16	G274	WT	G				6	2	1	2		1																		X			24071451-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0	J. Colp	7-31	1630	[signature]	7/31/24	1630	15.9 LTGS			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): 7-31-24

pH J/96651/89660

Added HNO_3 (98584) to G219, G303, G313, G314, G314D, G316

Added NaOH (95443) to G278 PS 8/1

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G				6	2	1	2		1								X						X				X			24071451-049
2	G275D	WT	G				2	1		1										X						X							24071451-050
3	G276	WT	G	7-31	1233		6	2	1	2		1								X						X				X			24071451-051
4	G277	WT	G				6	2	1	2		1								X						X				X			24071451-052
5	Filter in lab G278	WT	G	7-31	1359		6	2	1	2		1																		X			24071451-053
6	G279	WT	G				6	2	1	2		1								X						X			X	X			24071451-054
7	G280	WT	G				6	2	1	2		1						X		X				X		X			X	X			24071451-055
8	G281	WT	G				4	1		2		1					X	X					X	X					X				24071451-056
9	G283	WT	G				2	1		1										X						X							24071451-057
10	G284	WT	G				2	1		1										X						X							24071451-058
11	G285	WT	G				2	1		1										X						X							24071451-059
12	G301	WT	G				2	1		1							X						X										24071451-060
13	G302	WT	G				2	1		1							X						X										24071451-061
14	G303	WT	G	7.31.24	1349		2	1		1							X						X										24071451-062
15	G305	WT	G				2	1		1							X						X										24071451-063
16	G306	WT	G				2	1		1							X						X										24071451-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0	J. Colp	7-31	1630	[signature]	7/31/24	1630				

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY):	7-31-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

24071451-102

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Page: 5 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G				2	1		1								X						X										24071451-065
2	G307D	WT	G				2	1		1								X						X										24071451-066
3	G308	WT	G				2	1		1								X						X										24071451-067
4	G310	WT	G				2	1		1								X						X										24071451-068
5	G312	WT	G				2	1		1								X						X										24071451-069
6	G313	WT	G	7.31.24	1253		2	1		1								X						X										24071451-070
7	G314	WT	G	7.31.24	1148		2	1		1								X						X										24071451-071
8	G314D	WT	G	7.31.24	1052		2	1		1								X						X										24071451-072
9	G315	WT	G	7.31.24	1438		2	1		1								X						X										24071451-073
10	G316	WT	G	7.31.24	953		2	1		1								X						X										24071451-074
11	G401	WT	G				4	1		2	1								X						X										24071451-075
12	G402	WT	G				4	1		2	1								X						X										24071451-076
13	G403	WT	G				4	1		2	1								X						X										24071451-077
14	G404	WT	G	7-31	1219		4	1		2	1								X						X										24071451-078
15	G405	WT	G	7-31	1257		4	1		2	1								X						X										24071451-079
16	G406	WT	G				4	1		2	1								X						X										24071451-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q3 Rev 0	J Colp	7-31	1630	Grace DeValle	7/31/24	1630	

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): 7-31-24

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: brian.voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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 SOL/SOLID P; OIL SL; WIPE OL; AIR WP; OTHER AR

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122	WT	G				5	2	1	1		1										X										24071451-017
2	G123	WT	G				5	2	1	1		1										X										24071451-018
3	G124	WT	G				5	2	1	1		1										X										24071451-019
4	G125	WT	G				6	2	1	2		1									X	X										24071451-020
5	G126	WT	G				5	2	1	1		1										X										24071451-021
6	G151	WT	G	8-1	1148		4	2		1		1																		X		24071451-022
7	G152	WT	G				4	2		1		1																		X		24071451-023
8	G153	WT	G	8-1	1355		4	2		1		1																		X		24071451-024
9	G154	WT	G	8-1	1309		4	2		2		1																X		X		24071451-025
10	G155	WT	G	8-1	1236		4	2		1		1																		X		24071451-026
11	G200	WT	G				6	2	1	2		1						X		X					X				X			24071451-027
12	G206	WT	G				6	2	1	2		1						X							X				X			24071451-028
13	G206D	WT	G				2	1		1								X							X							24071451-029
14	G207	WT	G				6	2	1	2		1																		X			24071451-030
15	G208	WT	G				6	2	1	2		1																		X			24071451-031
16	G209	WT	G				6	2	1	2		1						X							X				X			24071451-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q3 Rev 0		8-1	1558		8/1/24	1558	14.3 UC5	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 Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-1-24

Added NaOH (9543) to G153.

CHAIN-OF-CUSTODY / Analytical Request Document

24071451

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

Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT SOIL/SOLID P; OIL SL; WIPE OL; AIR WP; OTHER AR	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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210		WT	G	8-1	948		6	2	1	2		1																	X			24071451-033
2	G211		WT	G	8-1	1020		6	2	1	2		1																	X			24071451-034
3	G212		WT	G	8-1	1113		6	2	1	2		1							X						X				X			24071451-035
4	G213		WT	G				6	2	1	2		1							X						X				X			24071451-036
5	G214		WT	G				6	2	1	2		1																	X			24071451-037
6	G215		WT	G				6	2	1	2		1							X						X				X			24071451-038
7	G216		WT	G				6	2	1	2		1																	X			24071451-039
8	G217		WT	G				6	2	1	2		1							X						X				X			24071451-040
9	G218		WT	G				6	2	1	2		1							X						X				X			24071451-041
10	G219		WT	G				3	1		2																X							24071451-042
11	G220		WT	G				3	1		2																X							24071451-043
12	G270		WT	G				6	2	1	2		1							X		X			X			X		X	X			24071451-044
13	G271		WT	G				6	2	1	2		1									X				X				X			24071451-045
14	G272		WT	G				6	2	1	2		1																	X			24071451-046
15	G273		WT	G				6	2	1	2		1									X				X				X			24071451-047
16	G274		WT	G				6	2	1	2		1																	X			24071451-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q3 Rev 0		8-1	1511		8/1/24	1558	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Brett Gallimore				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	8-1-24	Temp in °C	Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)

24071451

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT / SOLID / SOIL SL; OIL OL; WIPE WP; AIR AR; OTHER

ITEM #	SAMPLE ID	MATRIX CODE	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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G	8-1	1228		6	2	1	2		1									X					X				X			24071451-049
2	G275D	WT	G	8-1	1214		2	1		1											X					X							24071451-050
3	G276	WT	G				6	2	1	2		1									X					X				X			24071451-051
4	G277	WT	G				6	2	1	2		1									X					X				X			24071451-052
5	G278	WT	G				6	2	1	2		1																		X			24071451-053
6	G279	WT	G				6	2	1	2		1									X					X			X	X			24071451-054
7	G280	WT	G				6	2	1	2		1							X		X				X		X			X	X			24071451-055
8	G281	WT	G				4	1		2		1						X	X						X	X				X				24071451-056
9	G283	WT	G				2	1		1											X					X								24071451-057
10	G284	WT	G				2	1		1											X					X								24071451-058
11	G285	WT	G				2	1		1											X					X								24071451-059
12	G301	WT	G				2	1		1								X						X										24071451-060
13	G302	WT	G				2	1		1								X						X										24071451-061
14	G303	WT	G				2	1		1								X						X										24071451-062
15	G305	WT	G	8.1.24	1028		2	1		1								X						X										24071451-063
16	G306	WT	G	8.1.24	944		2	1		1								X						X										24071451-064

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0		8-1	1558		8/1/24	1558				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gilling

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 8-1-24

CHAIN-OF-CUSTODY / Analytical Request Document

24071451

COF-257-102

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Page: 5 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G	8.1.24	1213		2	1		1								X						X										24071451-065
2	G307D	WT	G	8.1.24	1141		2	1		1								X						X										24071451-066
3	G308	WT	G	8.1.24	1251		2	1		1								X						X										24071451-067
4	G310	WT	G	8.1.24	1347		2	1		1								X						X										24071451-068
5	G312	WT	G				2	1		1								X						X										24071451-069
6	G313	WT	G				2	1		1								X						X										24071451-070
7	G314	WT	G				2	1		1								X						X										24071451-071
8	G314D	WT	G				2	1		1								X						X										24071451-072
9	G315	WT	G				2	1		1								X						X										24071451-073
10	G316	WT	G				2	1		1								X						X										24071451-074
11	G401	WT	G				4	1		2		1							X							X					X				24071451-075
12	G402	WT	G	8-1	1416		4	1		2		1							X							X					X				24071451-076
13	G403	WT	G	8-1	0916		4	1		2		1							X							X					X				24071451-077
14	G404	WT	G				4	1		2		1							X							X					X				24071451-078
15	G405	WT	G				4	1		2		1							X							X					X				24071451-079
16	G406	WT	G	8-1	1000		4	1		2		1							X							X					X				24071451-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q3 Rev 0		8-1	1958		8/1/24	1558		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 Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-1-24

CHAIN-OF-CUSTODY / Analytical Request Document

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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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 758-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
	MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT SOIL/SOLID P SL; OIL OL; WIPE WP; AIR AR; OTHER																Requested Analysis Filtered (Y/N)																
1	G407	WT	G	8-1	1051		4	1		2		1							X					X					X				24071451-081
2	G410	WT	G				4	1		2		1																	X				24071451-082
3	G411	WT	G				4	1		2		1																	X				24071451-083
4	L201	WT	G				2	1		1													X										24071451-084
5	L202	WT	G				2	1		1													X										24071451-085
6	L203	WT	G				2	1		1													X										24071451-086
7	NE Riser	WT	G				2	1		1											X					X							24071451-087
8	R104	WT	G				7	2	2	2		1												X							X			24071451-088
9	R201	WT	G				6	2	1	2		1									X		X			X					X			24071451-089
10	R205	WT	G				6	2	1	2		1																			X			24071451-090
11	SG-02	WT	G				0											X	X					X	X									24071451-091
12	SG-03	WT	G				0											X	X					X	X									24071451-092
13	T127	WT	G				6	2	1	2		1										X	X												24071451-093
14	T128	WT	G				5	2	1	1		1											X												24071451-094
15	X201	WT	G				2	1		1												X					X								24071451-095
16	XSG-01	WT	G				0											X						X											24071451-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8-1	1558		8/1/24	1558

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 Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-1-24

CHAIN-OF-CUSTODY / Analytical Request Document

24071451

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G				2	1		1									X					X									24071451-001
2	G1001	WT	G	8-2	1026		2	1		1									X					X									24071451-002
3	G1003	WT	G				2	1		1									X					X				X					24071451-003
4	G101	WT	G				5	2	1	1		1											X										24071451-004
5	G102	WT	G				7	2	2	2		1										X	X							X			24071451-005
6	G103	WT	G				7	2	2	2		1											X							X			24071451-006
7	G105	WT	G				7	2	2	2		1											X							X			24071451-007
8	G106	WT	G				7	2	2	2		1										X	X							X			24071451-008
9	G107	WT	G				5	2	1	1		1											X										24071451-009
10	G108	WT	G				5	2	1	1		1											X										24071451-010
11	G109	WT	G				5	2	1	1		1											X										24071451-011
12	G110	WT	G				6	2	1	2		1										X	X										24071451-012
13	G111	WT	G				5	2	1	1		1											X										24071451-013
14	G119	WT	G				5	2	1	1		1											X										24071451-014
15	G120	WT	G				6	2	1	2		1										X	X										24071451-015
16	G121	WT	G				5	2	1	1		1											X										24071451-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
COF-24Q3 Rev 0		8-2	1310		8/2/24	1310	Y	N	
							X		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 8-2-24

11.3 Temp in °C

Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

pH in 96651/89660 added NaOH(95443) to G401

LH 8/2/24

24071451

CHAIN-OF-CUSTODY / Analytical Request Document

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

COF-257-102

Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
	Requested Analysis Filtered (Y/N)																															
1	G307	WT	G				2	1		1								X						X								24071451-065
2	G307D	WT	G				2	1		1								X						X								24071451-066
3	G308	WT	G				2	1		1								X						X								24071451-067
4	G310	WT	G				2	1		1								X						X								24071451-068
5	G312	WT	G				2	1		1								X						X								24071451-069
6	G313	WT	G				2	1		1								X						X								24071451-070
7	G314	WT	G				2	1		1								X						X								24071451-071
8	G314D	WT	G				2	1		1								X						X								24071451-072
9	G315	WT	G				2	1		1								X						X								24071451-073
10	G316	WT	G				2	1		1								X						X								24071451-074
11	G401	WT	G	8-2	0924		4	1		2		1							X						X					X			24071451-075
12	G402	WT	G				4	1		2		1							X						X					X			24071451-076
13	G403	WT	G				4	1		2		1							X						X					X			24071451-077
14	G404	WT	G				4	1		2		1							X						X					X			24071451-078
15	G405	WT	G				4	1		2		1							X						X					X			24071451-079
16	G406	WT	G				4	1		2		1							X						X					X			24071451-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0	J. Colp	8-2	1330	Zach	8/2/24	1310				
							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:		DATE Signed (MM/DD/YY):	8-2-24

CHAIN-OF-CUSTODY / Analytical Request Document

24071451

COF-257-102

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G	8-2-24	0912		4	1		2		1						X					X					X				24071451-081
2	G410	WT	G	8-2-24	1002		4	1		2		1																X				24071451-082
3	G411	WT	G	8-2-24			4	1		2		1																X				24071451-083
4	L201	WT	G				2	1		1											X											24071451-084
5	L202	WT	G				2	1		1											X											24071451-085
6	L203	WT	G				2	1		1											X											24071451-086
7	NE Riser	WT	G				2	1		1									X						X							24071451-087
8	R104	WT	G				7	2	2	2		1										X							X				24071451-088
9	R201	WT	G				6	2	1	2		1							X		X				X				X				24071451-089
10	R205	WT	G				6	2	1	2		1																	X				24071451-090
11	SG-02	WT	G				0										X	X					X	X								24071451-091
12	SG-03	WT	G				0										X	X					X	X								24071451-092
13	T127	WT	G				6	2	1	2		1									X	X										24071451-093
14	T128	WT	G				5	2	1	1		1										X											24071451-094
15	X201	WT	G				2	1		1											X					X							24071451-095
16	XSG-01	WT	G				0										X						X									24071451-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0	J. Colp	8-2	1310		8/2/24	1310				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-2-24

24071451

CHAIN-OF-CUSTODY / Analytical Request Document

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
	DRINKING WATER	DW														Requested Analysis Filtered (Y/N)																
	WATER	WT																														
	WASTE WATER	WW																														
	PRODUCT SOIL/SOLID	P SL																														
	OIL	OL																														
	WIPE	WP																														
	AIR	AR																														
	OTHER																															
ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE																															
1	AP2D	WT	G				2	1		1							X						X									24071451-001
2	G1001	WT	G				2	1		1							X						X									24071451-002
3	G1003	WT	G				2	1		1							X						X				X					24071451-003
4	G101	WT	G	8-5-24	1437		5	2	1	1		1										X										24071451-004
5	G102	WT	G				7	2	2	2		1									X	X							X			24071451-005
6	G103	WT	G				7	2	2	2		1										X							X			24071451-006
7	G105	WT	G				7	2	2	2		1										X							X			24071451-007
8	G106	WT	G				7	2	2	2		1									X	X							X			24071451-008
9	G107	WT	G				5	2	1	1		1										X										24071451-009
10	G108	WT	G	8-5-24	0931		5	2	1	1		1										X										24071451-010
11	G109	WT	G	8-5-24	0951		5	2	1	1		1										X										24071451-011
12	G110	WT	G	8-5	1004		6	2	1	2		1									X	X										24071451-012
13	G111	WT	G	8-5	1028		5	2	1	1		1										X										24071451-013
14	G119	WT	G	8-5	1215		5	2	1	1		1										X										24071451-014
15	G120	WT	G	8-5	1242		6	2	1	2		1									X	X										24071451-015
16	G121	WT	G	8-5	1258		5	2	1	1		1										X										24071451-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8-5	1708		8/15/24	1708

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
18.5	Y		
LIG 5 on ice	N		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-5-24

Added NaOH(95443) to G125. Added HNO3(99172) to G312. pH ✓ 8/16/24. dm 8/16/24

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 763-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G122	WT	G	8-5	1313		5	2	1	1		1										X											24071451-017
2	G123	WT	G				5	2	1	1		1										X											24071451-018
3	G124	WT	G	8-5	1358		5	2	1	1		1										X											24071451-019
4	G125	WT	G	8-5	1410		6	2	1	2		1									X	X											24071451-020
5	G126	WT	G	8-5	1045		5	2	1	1		1										X											24071451-021
6	G151	WT	G				4	2		1		1																			X			24071451-022
7	G152	WT	G	8/5/24	1516		4	2		1		1																			X			24071451-023
8	G153	WT	G				4	2		1		1																			X			24071451-024
9	G154	WT	G				4	2		2		1																	X		X			24071451-025
10	G155	WT	G				4	2		1		1																			X			24071451-026
11	G200	WT	G				6	2	1	2		1							X		X				X					X				24071451-027
12	G206	WT	G				6	2	1	2		1							X						X					X				24071451-028
13	G206D	WT	G				2	1		1									X						X									24071451-029
14	G207	WT	G				6	2	1	2		1																		X				24071451-030
15	G208	WT	G				6	2	1	2		1																		X				24071451-031
16	G209	WT	G				6	2	1	2		1							X						X					X				24071451-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0		8-5	1708		8/5/24	1708				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cop

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-5-24

CHAIN-OF-CUSTODY / Analytical Request Document

24071451

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Page: 4 of 7

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane
	Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	John Romang: John.Romang@vistracorp.com
	Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT SOIL/SOLID P; OIL OL; WIPE WP; AIR AR; 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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G				6	2	1	2		1									X					X				X			24071451-049
2	G275D	WT	G				2	1		1											X					X							24071451-050
3	G276	WT	G				6	2	1	2		1									X					X				X			24071451-051
4	G277	WT	G				6	2	1	2		1									X					X				X			24071451-052
5	G278	WT	G				6	2	1	2		1																		X			24071451-053
6	G279	WT	G				6	2	1	2		1									X					X			X	X			24071451-054
7	G280	WT	G				6	2	1	2		1						X			X				X	X			X	X			24071451-055
8	G281	WT	G				4	1		2		1					X	X						X	X				X				24071451-056
9	G283	WT	G				2	1		1											X					X							24071451-057
10	G284	WT	G				2	1		1											X					X							24071451-058
11	G285	WT	G				2	1		1											X					X							24071451-059
12	G301	WT	G	8/5/24	1036		2	1		1								X						X									24071451-060
13	G302	WT	G	8/5	TET255ILB		2	1		1								X						X									24071451-061
14	G303	WT	G				2	1		1								X						X									24071451-062
15	G305	WT	G				2	1		1								X						X									24071451-063
16	G306	WT	G				2	1		1								X						X									24071451-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8/5/24	1708		8/5/24	1708

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: Tracy Carret

SIGNATURE of SAMPLER: Tracy Carret DATE Signed (MM/DD/YY): 8/5/2

24071451

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G				2	1		1							X						X										24071451-065
2	G307D	WT	G				2	1		1							X						X										24071451-066
3	G308	WT	G				2	1		1							X						X										24071451-067
4	G310	WT	G				2	1		1							X						X										24071451-068
5	G312	WT	G	8/5	1255		2	1		1							X						X										24071451-069
6	G313	WT	G				2	1		1							X						X										24071451-070
7	G314	WT	G				2	1		1							X						X										24071451-071
8	G314D	WT	G				2	1		1							X						X										24071451-072
9	G315	WT	G				2	1		1							X						X										24071451-073
10	G316	WT	G				2	1		1							X						X										24071451-074
11	G401	WT	G				4	1		2		1						X						X					X				24071451-075
12	G402	WT	G				4	1		2		1						X						X					X				24071451-076
13	G403	WT	G				4	1		2		1						X						X					X				24071451-077
14	G404	WT	G				4	1		2		1						X						X					X				24071451-078
15	G405	WT	G				4	1		2		1						X						X					X				24071451-079
16	G406	WT	G				4	1		2		1						X						X					X				24071451-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8/5/24	1708		8/5/24	1708

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carver

SIGNATURE of SAMPLER: Tracy Carver

DATE Signed (MM/DD/YY): 8/5/24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

24071451

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

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-811-106	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				4	1		2		1						X						X					X				24071451-081
2	G410	WT	G				4	1		2		1																	X				24071451-082
3	G411	WT	G				4	1		2		1																	X				24071451-083
4	L201	WT	G				2	1		1												X											24071451-084
5	L202	WT	G				2	1		1												X											24071451-085
6	L203	WT	G				2	1		1												X											24071451-086
7	NE Riser	WT	G				2	1		1										X					X								24071451-087
8	R104	WT	G				7	2	2	2		1							X											X				24071451-088
9	R201	WT	G				6	2	1	2		1								X		X			X					X				24071451-089
10	R205	WT	G				6	2	1	2		1																		X				24071451-090
11	SG-02	WT	G				0										X	X						X	X									24071451-091
12	SG-03	WT	G				0										X	X						X	X									24071451-092
13	T127	WT	G	8-5	1128		6	2	1	2		1										X	X											24071451-093
14	T128	WT	G	8-5	1149		5	2	1	1		1											X											24071451-094
15	X201	WT	G				2	1		1												X											24071451-095
16	XSG-01	WT	G				0										X							X										24071451-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8-5	1708		8/5/24	1708

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 Cole

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 8-5-24

24071451

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G				7	2	2	2		1						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24071451-097
2	G102 Duplicate	WT	G				7	2	2	2		1										X	X							X			24071451-098
3	G200 Duplicate	WT	G				6	2	1	2		1								X		X				X				X			24071451-099
4	G217 Duplicate	WT	G				6	2	1	2		1								X						X				X			24071451-100
5	G301 Duplicate	WT	G	8/5/24	1036		2	1		1								X						X									24071451-101
6	R201 Duplicate	WT	G				6	2	1	2		1								X		X				X				X			24071451-102
7	Equipment Blank 1	WT	G				7	2	2	2		1						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24071451-103
8																																		
9																																		
10																																		
11																																		
12																																		
13																																		
14																																		
15																																		
16																																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0		8/5/24	1706		8/5/24	1708				

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER: Tracy Carver						
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 8/5/24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	

24071451

CHAIN-OF-CUSTODY / Analytical Request Document

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G				2	1		1								X					X									24071451-001
2	G1001	WT	G				2	1		1								X					X									24071451-002
3	G1003	WT	G				2	1		1								X					X				X					24071451-003
4	G101	WT	G				5	2	1	1		1										X										24071451-004
5	G102	WT	G	8-6	0913		7	2	2	2		1									X	X							X			24071451-005
6	G103	WT	G	8-6	1014		7	2	2	2		1										X							X			24071451-006
7	G105	WT	G	8-6	1101		7	2	2	2		1										X							X			24071451-007
8	G106	WT	G	8-6	1122		7	2	2	2		1									X	X							X			24071451-008
9	G107	WT	G	8-6	1144		5	2	1	1		1										X										24071451-009
10	G108	WT	G				5	2	1	1		1										X										24071451-010
11	G109	WT	G				5	2	1	1		1										X										24071451-011
12	G110	WT	G				6	2	1	2		1									X	X										24071451-012
13	G111	WT	G	8-6	0945		5	2	1	1		1										X										24071451-013
14	G119	WT	G				5	2	1	1		1										X										24071451-014
15	G120	WT	G				6	2	1	2		1									X	X										24071451-015
16	G121	WT	G				5	2	1	1		1										X										24071451-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q3 Rev 0		8/6	1500		8/6/24	1520	8.7
							LTCJS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Culp

SIGNATURE of SAMPLER: Justin Culp DATE Signed (MM/DD/YY): 8-6-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

pH ✓ 8/6/24 | 8/6/24
VOA 8/6/24

24071451

COF-257-102

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
	Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location 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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122	WT	G				5	2	1	1		1										X										24071451-017
2	G123	WT	G				5	2	1	1		1										X										24071451-018
3	G124	WT	G				5	2	1	1		1										X										24071451-019
4	G125	WT	G				6	2	1	2		1									X	X										24071451-020
5	G126	WT	G				5	2	1	1		1										X										24071451-021
6	G151	WT	G				4	2		1		1																		X		24071451-022
7	G152	WT	G				4	2		1		1																		X		24071451-023
8	G153	WT	G				4	2		1		1																		X		24071451-024
9	G154	WT	G				4	2		2		1																X		X		24071451-025
10	G155	WT	G				4	2		1		1																		X		24071451-026
11	G200	WT	G	8-6	1216		6	2	1	2		1							X		X				X				X			24071451-027
12	G206	WT	G				6	2	1	2		1							X						X				X			24071451-028
13	G206D	WT	G				2	1		1									X						X							24071451-029
14	G207	WT	G				6	2	1	2		1																		X		24071451-030
15	G208	WT	G				6	2	1	2		1																		X		24071451-031
16	G209	WT	G				6	2	1	2		1							X						X				X			24071451-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8-6	1500		8/6/24	1520

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Lolp		
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	8-6-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

24071451

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Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210	WT	G				6	2	1	2		1																		X			24071451-033
2	G211	WT	G				6	2	1	2		1																		X			24071451-034
3	G212	WT	G				6	2	1	2		1								X						X				X			24071451-035
4	G213	WT	G				6	2	1	2		1								X						X				X			24071451-036
5	G214	WT	G	8.6.24	1218		6	2	1	2		1																		X			24071451-037
6	G215	WT	G	8.6.24	1119		6	2	1	2		1								X						X				X			24071451-038
7	G216	WT	G	8.6.24	1037		6	2	1	2		1																		X			24071451-039
8	G217	WT	G	8.6.24	939		6	2	1	2		1								X						X				X			24071451-040
9	G218	WT	G				6	2	1	2		1								X						X				X			24071451-041
10	G219	WT	G				3	1		2																	X						24071451-042
11	G220	WT	G				3	1		2																	X						24071451-043
12	G270	WT	G				6	2	1	2		1							X		X				X			X		X	X			24071451-044
13	G271	WT	G				6	2	1	2		1									X						X				X			24071451-045
14	G272	WT	G				6	2	1	2		1																			X			24071451-046
15	G273	WT	G				6	2	1	2		1									X						X				X			24071451-047
16	G274	WT	G				6	2	1	2		1																			X			24071451-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0		8-6	1500		8/6/24	1500				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 8.6.24

24071451

CHAIN-OF-CUSTODY / Analytical Request Document

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				4	1		2		1						X						X					X				24071451-081
2	G410	WT	G				4	1		2		1																	X				24071451-082
3	G411	WT	G				4	1		2		1																	X				24071451-083
4	L201	WT	G				2	1		1												X											24071451-084
5	L202	WT	G				2	1		1												X											24071451-085
6	L203	WT	G				2	1		1												X											24071451-086
7	NE Riser	WT	G				2	1		1										X						X							24071451-087
8	R104	WT	G	8-6	1037		7	2	2	2		1											X							X				24071451-088
9	R201	WT	G	8-6	1304		6	2	1	2		1								X		X				X				X				24071451-089
10	R205	WT	G	8.6.24	1306		6	2	1	2		1																		X				24071451-090
11	SG-02	WT	G				0										X	X						X	X									24071451-091
12	SG-03	WT	G				0										X	X						X	X									24071451-092
13	T127	WT	G				6	2	1	2		1										X	X											24071451-093
14	T128	WT	G				5	2	1	1		1											X											24071451-094
15	X201	WT	G				2	1		1												X				X								24071451-095
16	XSG-01	WT	G				0										X							X										24071451-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8/6	1500		8/6/24	1500

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 Gay		
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	8-6-24

24071451

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; 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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G				7	2	2	2		1						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24071451-097
2	G102 Duplicate	WT	G	8-6	0913		7	2	2	2		1										X	X							X			24071451-098
3	G200 Duplicate	WT	G	8-6	1216		6	2	1	2		1								X		X				X				X			24071451-099
4	G217 Duplicate	WT	G	8.6.24	939		6	2	1	2		1								X						X				X			24071451-100
5	G301 Duplicate	WT	G				2	1		1								X						X									24071451-101
6	R201 Duplicate	WT	G	8-6	1304		6	2	1	2		1								X		X				X				X			24071451-102
7	Equipment Blank 1	WT	G				7	2	2	2		1						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24071451-103
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0		8-6	1500		8/6/24	1500				

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Justin Colp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8-6-24				

24071451

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; 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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D		WT	G	8.1.24	940		2	1		1								X				X										24071451-001
2	G1001		WT	G				2	1		1								X				X										24071451-002
3	G1003		WT	G				2	1		1								X				X				X						24071451-003
4	G101		WT	G				5	2	1	1		1									X											24071451-004
5	G102		WT	G				7	2	2	2		1								X	X								X			24071451-005
6	G103		WT	G				7	2	2	2		1									X								X			24071451-006
7	G105		WT	G				7	2	2	2		1									X								X			24071451-007
8	G106		WT	G				7	2	2	2		1								X	X								X			24071451-008
9	G107		WT	G				5	2	1	1		1									X											24071451-009
10	G108		WT	G				5	2	1	1		1									X											24071451-010
11	G109		WT	G				5	2	1	1		1									X											24071451-011
12	G110		WT	G				6	2	1	2		1								X	X											24071451-012
13	G111		WT	G				5	2	1	1		1									X											24071451-013
14	G119		WT	G				5	2	1	1		1									X											24071451-014
15	G120		WT	G				6	2	1	2		1								X	X											24071451-015
16	G121		WT	G				5	2	1	1		1									X											24071451-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q3 Rev 0	Tracy Carroll	8.7.24	1727	Shawn Dilsaver	8/7/24	1727	LTGS	Y	N	
							14.4	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: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 8.7.24

w9wash/8wash

Added AlNO3 to G285, L201, L202, L203, (99A72)

No 8/8

24071451

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

ITEM #	Section B Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122	WT	G				5	2	1	1		1											X									24071451-017
2	G123	WT	G	8.7.24	1532		5	2	1	1		1											X									24071451-018
3	G124	WT	G				5	2	1	1		1											X									24071451-019
4	G125	WT	G				6	2	1	2		1										X	X									24071451-020
5	G126	WT	G				5	2	1	1		1											X									24071451-021
6	G151	WT	G				4	2		1		1																			X		24071451-022
7	G152	WT	G				4	2		1		1																			X		24071451-023
8	G153	WT	G				4	2		1		1																			X		24071451-024
9	G154	WT	G				4	2		2		1																	X		X		24071451-025
10	G155	WT	G				4	2		1		1																			X		24071451-026
11	G200	WT	G				6	2	1	2		1									X		X				X				X		24071451-027
12	G206	WT	G				6	2	1	2		1									X						X				X		24071451-028
13	G206D	WT	G				2	1		1											X						X						24071451-029
14	G207	WT	G				6	2	1	2		1																			X		24071451-030
15	G208	WT	G				6	2	1	2		1																			X		24071451-031
16	G209	WT	G				6	2	1	2		1									X						X				X		24071451-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	Z	
COF-24Q3 Rev 0	Brian Carroll	8.7.24	1727	Amber Dillard	8/7/24	1727				
							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:	Brian Carroll	
SIGNATURE of SAMPLER:	Brian Carroll	DATE Signed (MM/DD/YY): 8/7.24

24071451

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210	WT	G				6	2	1	2		1																				24071451-033
2	G211	WT	G				6	2	1	2		1																					24071451-034
3	G212	WT	G				6	2	1	2		1								X						X							24071451-035
4	G213	WT	G				6	2	1	2		1								X						X							24071451-036
5	G214	WT	G				6	2	1	2		1																					24071451-037
6	G215	WT	G				6	2	1	2		1								X						X							24071451-038
7	G216	WT	G				6	2	1	2		1																					24071451-039
8	G217	WT	G				6	2	1	2		1								X						X							24071451-040
9	G218	WT	G				6	2	1	2		1								X						X							24071451-041
10	G219	WT	G				3	1		2																		X					24071451-042
11	G220	WT	G	8.7.24	1303		3	1		2																		X					24071451-043
12	G270	WT	G	8.7.24	1029		6	2	1	2		1							X		X				X				X	X			24071451-044
13	G271	WT	G				6	2	1	2		1									X					X				X			24071451-045
14	G272	WT	G				6	2	1	2		1																		X			24071451-046
15	G273	WT	G				6	2	1	2		1									X					X				X			24071451-047
16	G274	WT	G				6	2	1	2		1																		X			24071451-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0	Tracy Carroll	8.7.24	1727	Unica Dilalla	8/7/24	1727

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: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 8.7.24

CHAIN-OF-CUSTODY / Analytical Request Document

24071451

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

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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
	Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

ITEM #	Section B Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT SOIL/SOLID P SL; OIL OL; WIPE WP; AIR AR; 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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275		WT	G				6	2	1	2		1								X					X				X			24071451-049
2	G275D		WT	G				2	1		1										X					X							24071451-050
3	G276		WT	G				6	2	1	2		1								X					X				X			24071451-051
4	G277		WT	G				6	2	1	2		1								X					X				X			24071451-052
5	G278		WT	G				6	2	1	2		1																	X			24071451-053
6	G279		WT	G				6	2	1	2		1								X					X			X	X			24071451-054
7	G280		WT	G				6	2	1	2		1						X		X				X				X	X			24071451-055
8	G281		WT	G				4	1		2		1					X	X						X	X				X				24071451-056
9	G283		WT	G	8.7.24	1352		2	1		1										X					X							24071451-057
10	G284		WT	G	8.7.24	1125		2	1		1										X					X							24071451-058
11	G285		WT	G	8.7.24	1203		2	1		1										X					X							24071451-059
12	G301		WT	G				2	1		1							X						X									24071451-060
13	G302		WT	G				2	1		1							X						X									24071451-061
14	G303		WT	G				2	1		1							X						X									24071451-062
15	G305		WT	G				2	1		1							X						X									24071451-063
16	G306		WT	G				2	1		1							X						X									24071451-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0	Jason Kozell	8.7.24	1727	Sara DeCalle	8/7/24	1727

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: Tracy Cornell

SIGNATURE of SAMPLER: Jason Kozell DATE Signed (MM/DD/YY): 8.7.24

24071451

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 7

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane
	Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	John Romang: John.Romang@vistracorp.com
	Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT SOL/SOLID P; OIL OL; WIPE WP; AIR AR; 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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				4	1		2		1						X						X					X			24071451-081
2	G410	WT	G				4	1		2		1						X						X					X			24071451-082
3	G411	WT	G				4	1		2		1																	X			24071451-083
4	L201	WT	G	8.7.24	1415		2	1		1											X											24071451-084
5	L202	WT	G	8.7.24	1420		2	1		1											X											24071451-085
6	L203	WT	G	8.7.24	1424		2	1		1											X											24071451-086
7	NE Riser	WT	G	8.7.24	1435		2	1		1									X						X							24071451-087
8	R104	WT	G				7	2	2	2		1										X							X			24071451-088
9	R201	WT	G				6	2	1	2		1								X		X			X				X			24071451-089
10	R205	WT	G				6	2	1	2		1																	X			24071451-090
11	SG-02	WT	G				0										X	X					X	X								24071451-091
12	SG-03	WT	G				0										X	X					X	X								24071451-092
13	T127	WT	G				8	2	1	2		1										X	X										24071451-093
14	T128	WT	G				5	2	1	1		1											X										24071451-094
15	X201	WT	G	8.7.24	1445		2	1		1											X					X						24071451-095
16	XSG-01	WT	G				0										X							X								24071451-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0	Tracy Carroll	8-7-24	1727	Urban Dillard	8/7/24	1727

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: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 8-7-24

CHAIN-OF-CUSTODY / Analytical Request Document

24071451

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

Page: 7 of 7

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane
	Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com
	John Romang: John.Romang@vistracorp.com
	Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section C Required Client Information

MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; 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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	Field Blank	WT	G	8-7-24	1449		7	2	2	2		1						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24071451-097
2	G102 Duplicate	WT	G				7	2	2	2		1										X	X							X			24071451-098
3	G200 Duplicate	WT	G				6	2	1	2		1								X		X				X				X			24071451-099
4	G217 Duplicate	WT	G				6	2	1	2		1								X						X				X			24071451-100
5	G301 Duplicate	WT	G				2	1		1								X						X									24071451-101
6	R201 Duplicate	WT	G				6	2	1	2		1								X		X				X				X			24071451-102
7	Equipment Blank 1	WT	G				7	2	2	2		1						X	X	X	X	X	X	X	X	X	X	X	X	X	X		24071451-103
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0	Tracy Carroll	8.7.24	1727	Victor Dilallo	8/7/24	1727

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: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 8.7.24

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

September 12, 2024

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

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: COF-24Q3 **WorkOrder:** 24071452

Dear Eric Bauer:

TEKLAB, INC received 61 samples on 8/7/2024 5:27:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
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Accreditations	6
Laboratory Results	7
Sample Summary	67
Receiving Check List	69
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

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

Definitions

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Qualifiers

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

Case Narrative

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Cooler Receipt Temp: 5.9 °C

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

G1003 could not be collected; the well was dry. Equipment Blank 1 was not needed. EAH 8/12/24

Collection dates/times per field file where differing from the chain of custody. EAH 9/9/24

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

This report was revised on September 12, 2024 per Eric Bauer's request. The reason for the revision is to correct collection times for G212, G206, and G275 in the Teklab and Eurofins St. Loius reports. Please replace report dated September 9, 2024 with this report. EAH 9/12/24

Locations

Collinsville

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

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:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-001
Client Sample ID: G1001
Matrix: GROUNDWATER
Collection Date: 08/02/2024 10:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:04	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-003
Client Sample ID: G151
Matrix: GROUNDWATER
Collection Date: 08/01/2024 11:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:04	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-004
Client Sample ID: G152
Matrix: GROUNDWATER
Collection Date: 08/05/2024 15:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:04	R352881

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-005 **Client Sample ID:** G153

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 13:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:04	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-006 **Client Sample ID:** G154

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 13:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:05	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-007
Client Sample ID: G155
Matrix: GROUNDWATER
Collection Date: 08/01/2024 12:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/22/2024 12:04	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-008
Client Sample ID: G200
Matrix: GROUNDWATER
Collection Date: 08/06/2024 12:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:05	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-009
Client Sample ID: G206
Matrix: GROUNDWATER
Collection Date: 07/30/2024 13:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:05	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-010
Client Sample ID: G206D
Matrix: GROUNDWATER
Collection Date: 07/30/2024 13:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:05	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-011 **Client Sample ID:** G209

Matrix: GROUNDWATER **Collection Date:** 07/30/2024 11:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:05	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-012
Client Sample ID: G212
Matrix: GROUNDWATER
Collection Date: 08/01/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:06	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-013 **Client Sample ID:** G213

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 11:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:06	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-014
Client Sample ID: G215
Matrix: GROUNDWATER
Collection Date: 08/06/2024 11:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:07	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-015
Client Sample ID: G217
Matrix: GROUNDWATER
Collection Date: 08/06/2024 9:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:07	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-016
Client Sample ID: G218
Matrix: GROUNDWATER
Collection Date: 07/31/2024 10:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:07	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-017 **Client Sample ID:** G219

Matrix: GROUNDWATER **Collection Date:** 07/31/2024 11:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:08	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-018 **Client Sample ID:** G220

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 13:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:08	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-019 **Client Sample ID:** G270

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 10:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:08	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-020 **Client Sample ID:** G271

Matrix: GROUNDWATER **Collection Date:** 07/31/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:08	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-021
Client Sample ID: G273
Matrix: GROUNDWATER
Collection Date: 07/31/2024 10:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:08	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-022 **Client Sample ID:** G275

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 12:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:08	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-023 **Client Sample ID:** G275D

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 12:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:08	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-024 **Client Sample ID:** G276

Matrix: GROUNDWATER **Collection Date:** 07/31/2024 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:10	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-025 **Client Sample ID:** G277

Matrix: GROUNDWATER **Collection Date:** 07/30/2024 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:10	R352881

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-026 **Client Sample ID:** G279

Matrix: GROUNDWATER **Collection Date:** 07/30/2024 10:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:11	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-027
Client Sample ID: G280
Matrix: GROUNDWATER
Collection Date: 07/30/2024 11:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 14:32	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-028 **Client Sample ID:** G281

Matrix: GROUNDWATER **Collection Date:** 07/30/2024 10:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:55	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-029
Client Sample ID: G283
Matrix: GROUNDWATER
Collection Date: 08/07/2024 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:55	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-030
Client Sample ID: G284
Matrix: GROUNDWATER
Collection Date: 08/07/2024 11:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:55	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-031 **Client Sample ID:** G285

Matrix: GROUNDWATER **Collection Date:** 08/07/2024 12:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:55	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-032
Client Sample ID: G301
Matrix: GROUNDWATER
Collection Date: 08/05/2024 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:55	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-033 **Client Sample ID:** G302

Matrix: GROUNDWATER **Collection Date:** 08/05/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:55	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-034
Client Sample ID: G303
Matrix: GROUNDWATER
Collection Date: 07/31/2024 13:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:55	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-035 **Client Sample ID:** G305

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:55	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-036 **Client Sample ID:** G306

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 9:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:55	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-037 **Client Sample ID:** G307

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 12:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:55	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-038
Client Sample ID: G307D
Matrix: GROUNDWATER
Collection Date: 08/01/2024 11:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:56	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-039 **Client Sample ID:** G308

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 12:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:56	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-040 **Client Sample ID:** G310

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:56	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-041
Client Sample ID: G312
Matrix: GROUNDWATER
Collection Date: 08/05/2024 12:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:56	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-042 **Client Sample ID:** G313

Matrix: GROUNDWATER **Collection Date:** 07/31/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:56	R352881

Laboratory Results

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

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-043 **Client Sample ID:** G314

Matrix: GROUNDWATER **Collection Date:** 07/31/2024 11:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:53	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-044 **Client Sample ID:** G314D

Matrix: GROUNDWATER **Collection Date:** 07/31/2024 10:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:54	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-045
Client Sample ID: G315
Matrix: GROUNDWATER
Collection Date: 07/31/2024 14:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:54	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-046
Client Sample ID: G316
Matrix: GROUNDWATER
Collection Date: 07/31/2024 9:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:54	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-047
Client Sample ID: G401
Matrix: GROUNDWATER
Collection Date: 08/02/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/27/2024 11:54	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-048 **Client Sample ID:** G402

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 11:50	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-049
Client Sample ID: G403
Matrix: GROUNDWATER
Collection Date: 08/01/2024 9:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 11:50	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-050 **Client Sample ID:** G404

Matrix: GROUNDWATER **Collection Date:** 07/31/2024 12:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 11:50	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-051
Client Sample ID: G405
Matrix: GROUNDWATER
Collection Date: 07/31/2024 12:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 11:51	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-052
Client Sample ID: G406
Matrix: GROUNDWATER
Collection Date: 08/01/2024 10:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 11:51	R352881

Laboratory Results

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-053 **Client Sample ID:** G407

Matrix: GROUNDWATER **Collection Date:** 08/01/2024 10:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 11:51	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-054
Client Sample ID: G410
Matrix: GROUNDWATER
Collection Date: 08/02/2024 9:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 11:51	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-055
Client Sample ID: G411
Matrix: GROUNDWATER
Collection Date: 08/02/2024 10:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 11:51	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-056
Client Sample ID: R201
Matrix: GROUNDWATER
Collection Date: 08/06/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 11:51	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-057
Client Sample ID: Field Blank
Matrix: AQUEOUS
Collection Date: 08/07/2024 14:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 11:51	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-058
Client Sample ID: G200 Duplicate
Matrix: GROUNDWATER
Collection Date: 08/06/2024 12:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 11:52	R352881

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24071452

Client Project: COF-24Q3 **Report Date:** 12-Sep-24

Lab ID: 24071452-059 **Client Sample ID:** G217 Duplicate

Matrix: GROUNDWATER **Collection Date:** 08/06/2024 9:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:02	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-060
Client Sample ID: G301 Duplicate
Matrix: GROUNDWATER
Collection Date: 08/05/2024 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:02	R352881

Laboratory Results

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

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24
Lab ID: 24071452-061
Client Sample ID: R201 Duplicate
Matrix: GROUNDWATER
Collection Date: 08/06/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	08/26/2024 12:02	R352881

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Work Order: 24071452
Client Project: COF-24Q3
Report Date: 12-Sep-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24071452-001	G1001	Groundwater	1	08/02/2024 10:26
24071452-002	G1003	Groundwater	1	
24071452-003	G151	Groundwater	1	08/01/2024 11:48
24071452-004	G152	Groundwater	1	08/05/2024 15:16
24071452-005	G153	Groundwater	1	08/01/2024 13:55
24071452-006	G154	Groundwater	1	08/01/2024 13:09
24071452-007	G155	Groundwater	1	08/01/2024 12:36
24071452-008	G200	Groundwater	1	08/06/2024 12:16
24071452-009	G206	Groundwater	1	07/30/2024 13:36
24071452-010	G206D	Groundwater	1	07/30/2024 13:06
24071452-011	G209	Groundwater	1	07/30/2024 11:09
24071452-012	G212	Groundwater	1	08/01/2024 10:19
24071452-013	G213	Groundwater	1	08/01/2024 11:15
24071452-014	G215	Groundwater	1	08/06/2024 11:19
24071452-015	G217	Groundwater	1	08/06/2024 9:39
24071452-016	G218	Groundwater	1	07/31/2024 10:03
24071452-017	G219	Groundwater	1	07/31/2024 11:16
24071452-018	G220	Groundwater	1	08/07/2024 13:03
24071452-019	G270	Groundwater	1	08/07/2024 10:29
24071452-020	G271	Groundwater	1	07/31/2024 11:24
24071452-021	G273	Groundwater	1	07/31/2024 10:02
24071452-022	G275	Groundwater	1	08/01/2024 12:27
24071452-023	G275D	Groundwater	1	08/01/2024 12:14
24071452-024	G276	Groundwater	1	07/31/2024 12:33
24071452-025	G277	Groundwater	1	07/30/2024 12:39
24071452-026	G279	Groundwater	1	07/30/2024 10:56
24071452-027	G280	Groundwater	1	07/30/2024 11:50
24071452-028	G281	Groundwater	1	07/30/2024 10:13
24071452-029	G283	Groundwater	1	08/07/2024 13:52
24071452-030	G284	Groundwater	1	08/07/2024 11:25
24071452-031	G285	Groundwater	1	08/07/2024 12:03
24071452-032	G301	Groundwater	1	08/05/2024 10:36
24071452-033	G302	Groundwater	1	08/05/2024 11:43
24071452-034	G303	Groundwater	1	07/31/2024 13:49
24071452-035	G305	Groundwater	1	08/01/2024 10:28
24071452-036	G306	Groundwater	1	08/01/2024 9:44
24071452-037	G307	Groundwater	1	08/01/2024 12:13
24071452-038	G307D	Groundwater	1	08/01/2024 11:41
24071452-039	G308	Groundwater	1	08/01/2024 12:56

Teklab, Inc.
Environmental Laboratory

Sample Summary

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24071452-040	G310	Groundwater	1	08/01/2024 13:47
24071452-041	G312	Groundwater	1	08/05/2024 12:55
24071452-042	G313	Groundwater	1	07/31/2024 12:53
24071452-043	G314	Groundwater	1	07/31/2024 11:48
24071452-044	G314D	Groundwater	1	07/31/2024 10:52
24071452-045	G315	Groundwater	1	07/31/2024 14:38
24071452-046	G316	Groundwater	1	07/31/2024 9:53
24071452-047	G401	Groundwater	1	08/02/2024 9:24
24071452-048	G402	Groundwater	1	08/01/2024 14:16
24071452-049	G403	Groundwater	1	08/01/2024 9:16
24071452-050	G404	Groundwater	1	07/31/2024 12:19
24071452-051	G405	Groundwater	1	07/31/2024 12:57
24071452-052	G406	Groundwater	1	08/01/2024 10:00
24071452-053	G407	Groundwater	1	08/01/2024 10:51
24071452-054	G410	Groundwater	1	08/02/2024 9:12
24071452-055	G411	Groundwater	1	08/02/2024 10:02
24071452-056	R201	Groundwater	1	08/06/2024 13:04
24071452-057	Field Blank	Aqueous	1	08/07/2024 14:49
24071452-058	G200 Duplicate	Groundwater	1	08/06/2024 12:16
24071452-059	G217 Duplicate	Groundwater	1	08/06/2024 9:39
24071452-060	G301 Duplicate	Groundwater	1	08/05/2024 10:36
24071452-061	R201 Duplicate	Groundwater	1	08/06/2024 13:04

Teklab, Inc. Environmental Laboratory

Receiving Check List

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Carrier: Daniel Crump
Received By: AMD

Completed by: Amber Dilallo
On: 30-Jul-24

Reviewed by: Ellie Hopkins
On: 12-Aug-24

Pages to follow: Chain of custody 31 Extra pages included 64

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 5.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

Samples were received on 7/30/24 at 1615 on ice [5.9C - LTG#5]. pH strip #96651. - amberdilallo - 7/30/2024 5:02:39 PM

Samples were received on 7/31/24 at 16:30 on ice [15.9C - LTG#5]. - pschultz - 8/1/2024 8:18:54 AM
pH strip #96651. - pschultz - 8/1/2024 8:19:32 AM
Additional Nitric Acid (98584) preservative was needed for G314, G314D, and G316 upon arrival at the laboratory. - pschultz - 8/1/2024 8:19:43 AM

Samples were received on 8/1/24 at 1558 on ice [14.3C - LTG#5]. pH strip #96651. Additional Nitric Acid (99172) was needed upon arrival at the laboratory for G153, G275D, G402 and G407. - amberdilallo - 8/1/2024 4:53:17 PM

Samples were received on 8/2/24 at 1310 on ice [11.3C - LTG#5]. Additional Nitric Acid (99172) was needed upon arrival at the laboratory for G401. pH strip #96651. - amberdilallo - 8/2/2024 1:43:10 PM

Samples were received on 8/5/2024 at 17:08 on ice [18.5C - LTG#5]. - pschultz - 8/6/2024 8:32:07 AM
pH strip #96651. - pschultz - 8/6/2024 8:32:43 AM

Samples were received on 8/6/24 at 1500 on ice [8/7C - LTG#5]. pH strip #96651. - amberdilallo - 8/6/2024 3:50:25 PM

Samples were received on 8/7/24 at 1727 on ice [14.4C - LTG#5]. Additional Nitric Acid (99172) was needed upon arrival at the laboratory for G285. pH strip #96651. - amberdilallo - 8/8/2024 8:15:53 AM

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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 SOLI/SOLID (P), OIL (SL), WIPE (OL), AIR (WP), OTHER (AR)

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G122	WT	G				0															X										N/A
2	G123	WT	G				0															X										N/A
3	G124	WT	G				0															X										N/A
4	G125	WT	G				0														X	X										N/A
5	G126	WT	G				0															X										N/A
6	G151	WT	G				2			2																				X		24071452-003
7	G152	WT	G				2			2																				X		24071452-004
8	G153	WT	G				2			2																				X		24071452-005
9	G154	WT	G				2			2																			X	X		24071452-006
10	G155	WT	G				2			2																				X		24071452-007
11	G200	WT	G				2			2										X		X				X				X		24071452-008
12	G206	WT	G	7-20-24	1337		2			2										X						X				X		24071452-009
13	G206D	WT	G		1306		2			2										X						X						24071452-010
14	G207	WT	G		1226		0																							X		N/A
15	G208	WT	G		1016		0																							X		N/A
16	G209	WT	G	"	1109		2			2										X						X				X		24071452-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q3 Rev 0		7-30	1615		7/30/24	1615	5.9	Y	N	Y
							GAS			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

pH ✓ 7/30/24
JM
7/30/24

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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 (DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, 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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G210		WT	G	7-30-24	1197		0																					X			N/A
2	G211		WT	G				0																					X			N/A
3	G212		WT	G				2			2								X						X				X			24071452-012
4	G213		WT	G				2			2								X						X				X			24071452-013
5	G214		WT	G				0																					X			N/A
6	G215		WT	G				2			2								X						X				X			24071452-014
7	G216		WT	G				0																					X			N/A
8	G217		WT	G				2			2								X						X				X			24071452-015
9	G218		WT	G				2			2								X						X				X			24071452-016
10	G219		WT	G				2			2															X							24071452-017
11	G220		WT	G				2			2															X							24071452-018
12	G270		WT	G				2			2									X		X			X			X	X			24071452-019
13	G271		WT	G				2			2											X			X				X			24071452-020
14	G272		WT	G				0																					X			N/A
15	G273		WT	G				2			2											X			X				X			24071452-021
16	G274		WT	G	7-30	1351		0																					X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0		7-30	1615		7/30/24	1615				
							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 Cold

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-30-24

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 7

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location 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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G275	WT	G				2			2										X						X				X			24071452-022
2	G275D	WT	G				2			2										X						X				X			24071452-023
3	G276	WT	G				2			2										X						X				X			24071452-024
4	G277	WT	G	7-30	1239		2			2										X						X				X			24071452-025
5	G278	WT	G				0																							X			N/A
6	G279	WT	G	7-30	1056		2			2										X						X			X	X			24071452-026
7	G280	WT	G	7-30	1150		2			2								X		X				X		X			X	X			24071452-027
8	G281	WT	G	7-30	1013		2			2							X	X					X	X					X				24071452-028
9	G283	WT	G				2			2										X						X							24071452-029
10	G284	WT	G				2			2										X						X							24071452-030
11	G285	WT	G				2			2										X						X							24071452-031
12	G301	WT	G				2			2							X						X										24071452-032
13	G302	WT	G				2			2							X						X										24071452-033
14	G303	WT	G				2			2							X						X										24071452-034
15	G305	WT	G				2			2							X						X										24071452-035
16	G306	WT	G				2			2							X						X										24071452-036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	Y
COF-24Q3 Rev 0		7-30	1615		7/30/24	1615	5.9			
							LTC5			

	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7-30-24

pH ✓ 9/26/24
OM
7/30/24

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G210	WT	G				0																							X			N/A
2	G211	WT	G				0																							X			N/A
3	G212	WT	G				2			2									X						X					X			24071452-012
4	G213	WT	G				2			2									X						X					X			24071452-013
5	G214	WT	G				0																							X			N/A
6	G215	WT	G				2			2									X						X					X			24071452-014
7	G216	WT	G				0																							X			N/A
8	G217	WT	G				2			2									X						X					X			24071452-015
9	G218	WT	G	7-31	1003		2			2									X						X					X			24071452-016
10	G219	WT	G	7-31	1116		2			2																	X							24071452-017
11	G220	WT	G				2			2																	X							24071452-018
12	G270	WT	G				2			2								X			X				X					X				24071452-019
13	G271	WT	G	7-31	1124		2			2											X					X					X			24071452-020
14	G272	WT	G	7-31	1043		0																							X			N/A
15	G273	WT	G	7-31	1002		2			2											X					X					X			24071452-021
16	G274	WT	G				0																							X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q3 Rev 0	J. Colp	7-31	1630	[illegible]	7/31/24	1630	15 9	Y	N	Y
							17 6.5			

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp	Temp in °C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:		Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
DATE Signed (MM/DD/YY):	7-31-24		

pH 9/6/51

Added HNO_3 (pH<2) to G314, G314D, G316

PS 8/1

CHAIN-OF-CUSTODY / Analytical Request Document

24071452

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Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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 SOL/SOLID P; SL; OIL OL; WIPE WP; AIR AR; 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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	G275	WT	G				2			2											X					X				X			24071452-022
2	G275D	WT	G				2			2											X					X							24071452-023
3	G276	WT	G	7-31	1233		2			2											X					X				X			24071452-024
4	G277	WT	G				2			2											X					X				X			24071452-025
5	Filter in lab G278	WT	G	7-31	1359		0																							X			N/A
6	G279	WT	G				2			2											X					X			X	X			24071452-026
7	G280	WT	G				2			2								X			X				X	X			X	X			24071452-027
8	G281	WT	G				2			2							X	X						X	X				X				24071452-028
9	G283	WT	G				2			2											X					X							24071452-029
10	G284	WT	G				2			2											X					X							24071452-030
11	G285	WT	G				2			2											X					X							24071452-031
12	G301	WT	G				2			2							X							X									24071452-032
13	G302	WT	G				2			2							X							X									24071452-033
14	G303	WT	G	7.31.24	1349		2			2							X							X									24071452-034
15	G305	WT	G				2			2							X							X									24071452-035
16	G306	WT	G				2			2							X							X									24071452-036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0	J. Colp	7-31	1630	Urban Disalle	7/31/24	1630	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:		DATE Signed (MM/DD/YY):	7-31-24

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

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

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT SOLID P; SOIL SL; OIL OL; WIPE WP; AIR AR; OTHER

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G307	WT	G				2			2							X						X										24071452-037
2	G307D	WT	G				2			2							X						X										24071452-038
3	G308	WT	G				2			2							X						X										24071452-039
4	G310	WT	G				2			2							X						X										24071452-040
5	G312	WT	G				2			2							X						X										24071452-041
6	G313	WT	G	7.31.24	1253		2			2							X						X										24071452-042
7	G314	WT	G	7.31.24	1148		2			2							X						X										24071452-043
8	G314D	WT	G	7.31.24	1052		2			2							X						X										24071452-044
9	G315	WT	G	7.31.24	1458		2			2							X						X										24071452-045
10	G316	WT	G	7.31.24	953		2			2							X						X										24071452-046
11	G401	WT	G				2			2								X						X					X				24071452-047
12	G402	WT	G				2			2								X						X					X				24071452-048
13	G403	WT	G				2			2								X						X					X				24071452-049
14	G404	WT	G	7-31	1619		2			2								X						X					X				24071452-050
15	G405	WT	G	7-31	1257		2			2								X						X					X				24071452-051
16	G406	WT	G				2			2								X						X					X				24071452-052

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0	J. Colp	7-31	1630	[illegible]	7/31/24	1630				
							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): 7-31-24

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106761-003	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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G122	WT	G				0															X										N/A
2	G123	WT	G				0															X										N/A
3	G124	WT	G				0															X										N/A
4	G125	WT	G				0														X	X										N/A
5	G126	WT	G				0															X										N/A
6	G151	WT	G	8-1	1148		2			2																					X		24071452-003
7	G152	WT	G				2			2																					X		24071452-004
8	G153	WT	G	8-1	1355		2			2																					X		24071452-005
9	G154	WT	G	8-1	1309		2			2																			X		X		24071452-006
10	G155	WT	G	8-1	1236		2			2																					X		24071452-007
11	G200	WT	G				2			2										X		X				X					X		24071452-008
12	G206	WT	G				2			2										X						X					X		24071452-009
13	G206D	WT	G				2			2										X													24071452-010
14	G207	WT	G				0																								X		N/A
15	G208	WT	G				0																								X		N/A
16	G209	WT	G				2			2												X									X		24071452-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	Y
COF-24Q3 Rev 0		8-1	1558		8/1/24	1558	14.3 LTGS			
								Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	Justin Cole	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8-1-24

Added HNO_3 (9917) to 6153(2/2), 6275(2/2), 6402(1/2), + 6407(1/2)

PH ✓ 9665 on 8/1

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 7

Section A Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911	Fax:
Requested Due Date/TAT:	10 day

Section B Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies: samantha.davies@vistracorp.com John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid MATRIX CODES

MATRIX	
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT SOIL/SOLID	P SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N ↓ Analysis Test ↓ COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	G210	WT	G				0																					X			N/A
2	G211	WT	G	7-8-1	946		0																					X			N/A
3	G212	WT	G	7-8-1	1020		2			2								X					X					X			24071452-012
4	G213	WT	G	7-8-1	1115		2			2								X					X					X			24071452-013
5	G214	WT	G				0																					X			N/A
6	G215	WT	G				2			2								X					X					X			24071452-014
7	G216	WT	G				0																					X			N/A
8	G217	WT	G				2			2								X					X					X			24071452-015
9	G218	WT	G				2			2								X					X					X			24071452-016
10	G219	WT	G				2			2															X						24071452-017
11	G220	WT	G				2			2															X						24071452-018
12	G270	WT	G				2			2							X		X				X		X			X	X		24071452-019
13	G271	WT	G				2			2									X						X				X		24071452-020
14	G272	WT	G				0																						X		N/A
15	G273	WT	G				2			2									X						X				X		24071452-021
16	G274	WT	G				0																						X		N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8-1	1558		8/1/24	1558

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:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 8-1-24

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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 SOL/SOLID	P SL
OIL	OL
WIPE	WP
AIR	AR
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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G275	WT	G	8-1	1228		2			2											X			X					X			24071452-022
2	G275D	WT	G	8-1	1214		2			2											X			X								24071452-023
3	G276	WT	G				2			2											X			X					X			24071452-024
4	G277	WT	G				2			2											X			X					X			24071452-025
5	G278	WT	G				0																						X			N/A
6	G279	WT	G				2			2											X			X				X	X			24071452-026
7	G280	WT	G				2			2									X		X				X		X		X	X			24071452-027
8	G281	WT	G				2			2							X	X					X	X				X				24071452-028
9	G283	WT	G				2			2											X						X					24071452-029
10	G284	WT	G				2			2											X						X					24071452-030
11	G285	WT	G				2			2											X						X					24071452-031
12	G301	WT	G				2			2							X						X									24071452-032
13	G302	WT	G				2			2							X						X									24071452-033
14	G303	WT	G				2			2							X						X									24071452-034
15	G305	WT	G	8-1-24	1028		2			2							X						X									24071452-035
16	G306	WT	G	8-1-24	944		2			2							X						X									24071452-036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q3 Rev 0		8-1	1558		8/1/24	1558	

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 8-1-24						

CHAIN-OF-CUSTODY / Analytical Request Document

24071452

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Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) ↓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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	G307	WT	G	8.1.24	1213		2			2						X						X										24071452-037
2	G307D	WT	G	8.1.24	1141		2			2						X						X										24071452-038
3	G308	WT	G	8.1.24	1256		2			2						X						X										24071452-039
4	G310	WT	G	8.1.24	1347		2			2						X						X										24071452-040
5	G312	WT	G				2			2						X						X										24071452-041
6	G313	WT	G				2			2						X						X										24071452-042
7	G314	WT	G				2			2						X						X										24071452-043
8	G314D	WT	G				2			2						X						X										24071452-044
9	G315	WT	G				2			2						X						X										24071452-045
10	G316	WT	G				2			2						X						X										24071452-046
11	G401	WT	G				2			2							X							X				X				24071452-047
12	G402	WT	G	8-1	1416		2			2							X							X				X				24071452-048
13	G403	WT	G	8-1	0916		2			2							X							X				X				24071452-049
14	G404	WT	G				2			2							X							X				X				24071452-050
15	G405	WT	G				2			2							X							X				X				24071452-051
16	G406	WT	G	8-1	1000		2			2							X							X				X				24071452-052

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8-1	1558		8/1/24	1558

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: [signature] DATE Signed (MM/DD/YY): 8-1-24

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G407	WT	G	8-1	1051		2			2								X					X					X				24071452-053
2	G410	WT	G				2			2																		X				24071452-054
3	G411	WT	G				2			2																		X				24071452-055
4	L201	WT	G				0														X										N/A
5	L202	WT	G				0														X										N/A
6	L203	WT	G				0														X										N/A
7	NE Riser	WT	G				0												X					X								N/A
8	R104	WT	G				0														X											N/A
9	R201	WT	G				2			2									X		X			X					X			24071452-056
10	R205	WT	G				0																						X			N/A
11	SG-02	WT	G				0										X	X					X	X								N/A
12	SG-03	WT	G				0										X	X					X	X								N/A
13	T127	WT	G				0														X	X										N/A
14	T128	WT	G				0															X										N/A
15	X201	WT	G				0													X					X							N/A
16	XSG-01	WT	G				0										X						X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q3 Rev 0		8-1	1554		8/1/24	1554	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole					
SIGNATURE of SAMPLER:	Justin Cole	DATE Signed (MM/DD/YY): 8-1-24				

24071452

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	AP2D	WT	G				0											X					X									N/A
2	G1001	WT	G	8-2	1026		2			2								X					X									24071452-001
3	G1003	WT	G				2			2								X					X				X					24071452-002
4	G101	WT	G				0															X										N/A
5	G102	WT	G				0														X	X							X			N/A
6	G103	WT	G				0															X							X			N/A
7	G105	WT	G				0															X							X			N/A
8	G106	WT	G				0														X	X							X			N/A
9	G107	WT	G				0															X										N/A
10	G108	WT	G				0															X										N/A
11	G109	WT	G				0															X										N/A
12	G110	WT	G				0														X	X										N/A
13	G111	WT	G				0															X										N/A
14	G119	WT	G				0															X										N/A
15	G120	WT	G				0														X	X										N/A
16	G121	WT	G				0															X										N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS Y	N
COF-24Q3 Rev 0	J. Colp	8-2	1310		8/2/24	1310		
							X	

SAMPLER NAME AND SIGNATURE							
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	8-2-24	11.3 / 4.6.5 Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:							

PW 96657
added HNO3 (99172) to 9401 1/2

LH 8/2/24

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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 SOL/SOLID P; OIL SL; WPE OL; AIR WP; OTHER AR

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G307	WT	G				2			2						X	X						X										24071452-037
2	G307D	WT	G				2			2						X	X						X										24071452-038
3	G308	WT	G				2			2						X	X						X										24071452-039
4	G310	WT	G				2			2						X	X						X										24071452-040
5	G312	WT	G				2			2						X	X						X										24071452-041
6	G313	WT	G				2			2						X	X						X										24071452-042
7	G314	WT	G				2			2						X	X						X										24071452-043
8	G314D	WT	G				2			2						X	X						X										24071452-044
9	G315	WT	G				2			2						X	X						X										24071452-045
10	G316	WT	G				2			2						X	X						X										24071452-046
11	G401	WT	G	8-2	0924		2			2								X						X					X				24071452-047
12	G402	WT	G				2			2								X						X					X				24071452-048
13	G403	WT	G				2			2								X						X					X				24071452-049
14	G404	WT	G				2			2								X						X					X				24071452-050
15	G405	WT	G				2			2								X						X					X				24071452-051
16	G406	WT	G				2			2								X						X					X				24071452-052

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0	J. Cop	8-2	1310		8/2/24	1310				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cop					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8-2-24				

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G407	WT	G	8-2-24	0912		2			2								X					X					X				24071452-053
2	G410	WT	G	8-2-24	1002		2			2																		X				24071452-054
3	G411	WT	G	8-2-24			2			2																		X				24071452-055
4	L201	WT	G				0														X										N/A
5	L202	WT	G				0														X										N/A
6	L203	WT	G				0														X										N/A
7	NE Riser	WT	G				0													X					X						N/A
8	R104	WT	G				0															X							X			N/A
9	R201	WT	G				2			2										X		X			X				X			24071452-056
10	R205	WT	G				0																						X			N/A
11	SG-02	WT	G				0										X	X					X	X								N/A
12	SG-03	WT	G				0										X	X					X	X								N/A
13	T127	WT	G				0														X	X										N/A
14	T128	WT	G				0															X										N/A
15	X201	WT	G				0														X					X						N/A
16	XSG-01	WT	G				0										X						X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
COF-24Q3 Rev 0	J. Colp	8-2	1310		8/2/24	1312		Y	N

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Justin Colp	DATE Signed (MM/DD/YY):	8-2-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:							

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	AP2D	WT	G				0											X						X								N/A
2	G1001	WT	G				2			2								X						X								24071452-001
3	G1003	WT	G				2			2								X						X				X				24071452-002
4	G101	WT	G	8-5	1437		0																X									N/A
5	G102	WT	G				0															X	X							X		N/A
6	G103	WT	G				0																X							X		N/A
7	G105	WT	G				0																X							X		N/A
8	G106	WT	G				0															X	X							X		N/A
9	G107	WT	G				0																X									N/A
10	G108	WT	G	8-5	0931		0																X									N/A
11	G109	WT	G	8-5	0951		0																X									N/A
12	G110	WT	G	8-5	1004		0															X	X									N/A
13	G111	WT	G	8-5	1028		0																X									N/A
14	G119	WT	G	8-5	1215		0																X									N/A
15	G120	WT	G	8-5	1242		0															X	X									N/A
16	G121	WT	G	8-5	1258		0																X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Y	Z	
COF-24Q3 Rev 0		8-5	1708		8/5/24	1708			
							K		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cox

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-5-24

18.5 / 4.65 Temp in °C

Received on Ice (Y/N): Y

Custody Sealed Cooler (Y/N):

Samples Intact (Y/N):

pH/94651

PS 8/6

Onica

CHAIN-OF-CUSTODY / Analytical Request Document

24071452

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
	Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location 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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G122	WT	G	8-5	1313		0															X											N/A
2	G123	WT	G				0															X											N/A
3	G124	WT	G	8-5	1358		0															X											N/A
4	G125	WT	G	8-5	1420		0														X	X											N/A
5	G126	WT	G	8-5	1035		0															X											N/A
6	G151	WT	G		1045 JL		2			2																					X		24071452-003
7	G152	WT	G	8-5-24	1516		2			2																					X		24071452-004
8	G153	WT	G				2			2																					X		24071452-005
9	G154	WT	G				2			2																			X		X		24071452-006
10	G155	WT	G				2			2																					X		24071452-007
11	G200	WT	G				2			2										X		X				X				X			24071452-008
12	G206	WT	G				2			2										X						X				X			24071452-009
13	G206D	WT	G				2			2										X						X							24071452-010
14	G207	WT	G				0																							X			N/A
15	G208	WT	G				0																							X			N/A
16	G209	WT	G				2			2										X						X				X			24071452-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8-5	1708		8/5/24	1708

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: [signature] DATE Signed (MM/DD/YY): 8-5-24

CHAIN-OF-CUSTODY / Analytical Request Document

24071452

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

Page: 4 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G275	WT	G				2			2										X						X				X			24071452-022
2	G275D	WT	G				2			2										X						X							24071452-023
3	G276	WT	G				2			2										X						X				X			24071452-024
4	G277	WT	G				2			2										X						X				X			24071452-025
5	G278	WT	G				0																							X			N/A
6	G279	WT	G				2			2										X						X			X	X			24071452-026
7	G280	WT	G				2			2								X		X				X		X			X	X			24071452-027
8	G281	WT	G				2			2							X	X					X	X					X				24071452-028
9	G283	WT	G				2			2										X						X							24071452-029
10	G284	WT	G				2			2										X						X							24071452-030
11	G285	WT	G				2			2										X						X							24071452-031
12	G301	WT	G	8.5.24	1030		2			2							X						X										24071452-032
13	G302	WT	G	8.5.24	1143		2			2							X						X										24071452-033
14	G303	WT	G				2			2							X						X										24071452-034
15	G305	WT	G				2			2							X						X										24071452-035
16	G306	WT	G				2			2							X						X										24071452-036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8/5/24	1708		8/5/24	1708

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:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 8/5/24

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 7

Section A – Required Client Information:	Section B – Required Project Information:	Section C – Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G307	WT	G				2			2							X						X									24071452-037
2	G307D	WT	G				2			2							X						X									24071452-038
3	G308	WT	G				2			2							X						X									24071452-039
4	G310	WT	G				2			2							X						X									24071452-040
5	G312	WT	G	8/5/24	1255		2			2							X						X									24071452-041
6	G313	WT	G				2			2							X						X									24071452-042
7	G314	WT	G				2			2							X						X									24071452-043
8	G314D	WT	G				2			2							X						X									24071452-044
9	G315	WT	G				2			2							X						X									24071452-045
10	G316	WT	G				2			2							X						X									24071452-046
11	G401	WT	G				2			2								X						X					X				24071452-047
12	G402	WT	G				2			2								X						X					X				24071452-048
13	G403	WT	G				2			2								X						X					X				24071452-049
14	G404	WT	G				2			2								X						X					X				24071452-050
15	G405	WT	G				2			2								X						X					X				24071452-051
16	G406	WT	G				2			2								X						X					X				24071452-052

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0		8/5/24	1708		8/5/24	1708				

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	Tracy Cannon		Temp in °C	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8/5/24	Received on Ice (Y/N)	
			Custody Sealed Cooler (Y/N)	
			Samples Intact (Y/N)	

CHAIN-OF-CUSTODY / Analytical Request Document

24071452

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
	Requested Analysis Filtered (Y/N)																														
1	G407	WT	G				2			2								X					X					X				24071452-053
2	G410	WT	G				2			2																		X				24071452-054
3	G411	WT	G				2			2																		X				24071452-055
4	L201	WT	G				0														X										N/A
5	L202	WT	G				0														X										N/A
6	L203	WT	G				0														X										N/A
7	NE Riser	WT	G				0												X						X						N/A
8	R104	WT	G				0															X							X			N/A
9	R201	WT	G				2			2									X		X				X				X			24071452-056
10	R205	WT	G				0																						X			N/A
11	SG-02	WT	G				0										X	X					X	X								N/A
12	SG-03	WT	G				0										X	X					X	X								N/A
13	T127	WT	G	8-5	1128		0														X	X										N/A
14	T128	WT	G	8-5	1149		0															X										N/A
15	X201	WT	G				0													X					X							N/A
16	XSG-01	WT	G				0										X						X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0		8-5	1730		8/5/24	1708				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	Justin Cole	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8-5-24

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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	

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Radium 226/228, only: Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24071452-057
2	WT	G				0														X	X								X			N/A
3	WT	G				2			2									X		X				X					X			24071452-058
4	WT	G				2			2									X						X					X			24071452-059
5	WT	G	8/5/24	1034		2			2							X						X										24071452-060
6	WT	G				2			2									X		X				X					X			24071452-061
7	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24071452-062
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0		8/5/24	1708		8/5/24	1708				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Tracy Carroll				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8/5/24			

CHAIN-OF-CUSTODY / Analytical Request Document

24071452

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT SOL/SOLID P; OIL SL; WIPE OL; AIR WP; OTHER AR	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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	AP2D		WT	G				0											X					X								N/A
2	G1001		WT	G				2			2								X					X								24071452-001
3	G1003		WT	G				2			2								X					X				X				24071452-002
4	G101		WT	G				0															X								N/A
5	G102		WT	G	8-6	0913		0														X	X						X		N/A
6	G103		WT	G	8-6	1014		0															X						X		N/A
7	G105		WT	G	8-6	1101		0															X						X		N/A
8	G106		WT	G	8-6	1122		0														X	X						X		N/A
9	G107		WT	G	8-6	1144		0															X								N/A
10	G108		WT	G				0															X								N/A
11	G109		WT	G				0															X								N/A
12	G110		WT	G				0														X	X								N/A
13	G111		WT	G	8-6	0945		0															X								N/A
14	G119		WT	G				0															X								N/A
15	G120		WT	G				0														X	X								N/A
16	G121		WT	G				0															X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q3 Rev 0		8-6	1500		8/6/24	1500	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	8-6-24		

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y / N		

PM 96651 8/6 LTC5

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	G122	WT	G				0																X									N/A
2	G123	WT	G				0																X									N/A
3	G124	WT	G				0																X									N/A
4	G125	WT	G				0															X	X									N/A
5	G126	WT	G				0																X									N/A
6	G151	WT	G				2			2																					X	24071452-003
7	G152	WT	G				2			2																					X	24071452-004
8	G153	WT	G				2			2																					X	24071452-005
9	G154	WT	G				2			2																			X		X	24071452-006
10	G155	WT	G				2			2																					X	24071452-007
11	G200	WT	G	8-6	1216		2			2										X		X				X				X		24071452-008
12	G206	WT	G				2			2										X						X				X		24071452-009
13	G206D	WT	G				2			2										X												24071452-010
14	G207	WT	G				0																							X		N/A
15	G208	WT	G				0																							X		N/A
16	G209	WT	G				2			2										X						X				X		24071452-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8-6	1500		8/6/24	1500

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 Cole	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8-6-24

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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 SOL/SOLID P; OIL SL; WIPE OL; AIR WP; OTHER AR

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-846-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G210	WT	G				0																						X		N/A
2	G211	WT	G				0																						X		N/A
3	G212	WT	G				2			2									X					X					X		24071452-012
4	G213	WT	G				2			2									X					X					X		24071452-013
5	G214	WT	G	8.6.24	1218		0																						X		N/A
6	G215	WT	G	8.6.24	1119		2			2									X					X					X		24071452-014
7	G216	WT	G	8.6.24	1037		0																						X		N/A
8	G217	WT	G	8.6.24	939		2			2									X					X					X		24071452-015
9	G218	WT	G				2			2									X					X					X		24071452-016
10	G219	WT	G				2			2																X						24071452-017
11	G220	WT	G				2			2																X						24071452-018
12	G270	WT	G				2			2								X		X				X		X			X	X		24071452-019
13	G271	WT	G				2			2										X					X				X			24071452-020
14	G272	WT	G				0																						X		N/A
15	G273	WT	G				2			2										X					X				X			24071452-021
16	G274	WT	G				0																						X		N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0		8-6	1500		8/6/24	1500

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: Tracy Carrell

SIGNATURE of SAMPLER: Tracy Carrell

DATE Signed (MM/DD/YY): 8.6.24

24071452

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G407	WT	G				2			2							X						X						X				24071452-053
2	G410	WT	G				2			2																			X				24071452-054
3	G411	WT	G				2			2																			X				24071452-055
4	L201	WT	G				0														X											N/A
5	L202	WT	G				0														X											N/A
6	L203	WT	G				0														X											N/A
7	NE Riser	WT	G				0												X						X							N/A
8	R104	WT	G	8-6	1037		0														X								X			N/A
9	R201	WT	G	8-6	1304		2			2								X		X				X					X			24071452-056
10	R205	WT	G	8.6.24	1306		0																						X			N/A
11	SG-02	WT	G				0									X	X					X	X									N/A
12	SG-03	WT	G				0									X	X					X	X									N/A
13	T127	WT	G				0													X	X											N/A
14	T128	WT	G				0														X											N/A
15	X201	WT	G				0												X						X							N/A
16	XSG-01	WT	G				0									X						X										N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0		8-6	1500		8/6/24	1500				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cole		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 8-6-24				

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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 SOLI/SOLID P; OIL SL; WIPE OL; AIR WP; OTHER AR

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	Field Blank	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	24071452-057
2	G102 Duplicate	WT	G	8-6	0913		0														X	X							X		N/A
3	G200 Duplicate	WT	G	8-6	1216		2			2									X		X				X				X		24071452-058
4	G217 Duplicate	WT	G	8.6.24	939		2			2									X						X				X		24071452-059
5	G301 Duplicate	WT	G	"			2			2							X						X								24071452-060
6	R201 Duplicate	WT	G	8-6	1304		2			2									X		X				X				X		24071452-061
7	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	24071452-062
8																															
9																															
10																															
11																															
12																															
13																															
14																															
15																															
16																															

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0		8/6	1500		8/16/24	1500				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-6-24

24071452

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	AP2D	WT	G	8.7.24	940		0											X					X									N/A
2	G1001	WT	G				2			2								X					X									24071452-001
3	G1003	WT	G				2			2								X					X				X					24071452-002
4	G101	WT	G				0															X										N/A
5	G102	WT	G				0														X	X							X			N/A
6	G103	WT	G				0															X							X			N/A
7	G105	WT	G				0															X							X			N/A
8	G106	WT	G				0														X	X							X			N/A
9	G107	WT	G				0															X										N/A
10	G108	WT	G				0															X										N/A
11	G109	WT	G				0															X										N/A
12	G110	WT	G				0														X	X										N/A
13	G111	WT	G				0															X										N/A
14	G119	WT	G				0															X										N/A
15	G120	WT	G				0														X	X										N/A
16	G121	WT	G				0															X										N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q3 Rev 0	Tracy Carroll	8.7.24	1727	Omar Ordaz	8/7/24	1727	LT6S	Y	N	
							14.4	Y		

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Tracy Carroll					
SIGNATURE of SAMPLER:	Tracy Carroll	DATE Signed (MM/DD/YY): 8.7.24				

Added HNO_3(99172) to G285.
pH ✓ 961651 Om 8/8/24

24071452

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

Valid Matrix Codes

MATRIX	
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT SOIL/SOLID	P SL
OIL	OL
WIPE	WP
AIR	AR
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	Requested Analysis Filtered (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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G122	WT	G				0															X										N/A
2	G123	WT	G	8.1.24	1532		0															X										N/A
3	G124	WT	G				0															X										N/A
4	G125	WT	G				0														X	X										N/A
5	G126	WT	G				0															X										N/A
6	G151	WT	G				2			2																				X		24071452-003
7	G152	WT	G				2			2																				X		24071452-004
8	G153	WT	G				2			2																				X		24071452-005
9	G154	WT	G				2			2																		X		X		24071452-006
10	G155	WT	G				2			2																				X		24071452-007
11	G200	WT	G				2			2										X		X			X							24071452-008
12	G206	WT	G				2			2										X					X							24071452-009
13	G206D	WT	G				2			2										X					X							24071452-010
14	G207	WT	G				0																							X		N/A
15	G208	WT	G				0																							X		N/A
16	G209	WT	G				2			2										X					X					X		24071452-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0	Travis Carroll	8.7.24	1727	Urban Dellalla	8/7/24	1727

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: Travis Carroll

SIGNATURE of SAMPLER: Travis Carroll DATE Signed (MM/DD/YY): 8.7.24

CHAIN-OF-CUSTODY / Analytical Request Document

24071452

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

Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G210	WT	G				0																							X			N/A
2	G211	WT	G				0																							X			N/A
3	G212	WT	G				2			2									X					X						X			24071452-012
4	G213	WT	G				2			2									X					X						X			24071452-013
5	G214	WT	G				0																							X			N/A
6	G215	WT	G				2			2									X					X						X			24071452-014
7	G216	WT	G				0																							X			N/A
8	G217	WT	G				2			2									X					X						X			24071452-015
9	G218	WT	G				2			2									X					X						X			24071452-016
10	G219	WT	G				2			2																X							24071452-017
11	G220	WT	G	8.7.24	1303		2			2																X							24071452-018
12	G270	WT	G	8.7.24	1029		2			2								X		X				X		X			X	X			24071452-019
13	G271	WT	G				2			2										X					X					X			24071452-020
14	G272	WT	G				0																							X			N/A
15	G273	WT	G				2			2										X					X					X			24071452-021
16	G274	WT	G				0																							X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q3 Rev 0	Tracy Carrell	8-7-24	1727	[signature]	8/7/24	1727	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carrell

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8-7-24

SAMPLE CONDITIONS	Y	N	
Temp in °C			
Received on Ice (Y/N)			
Custody Sealed Cooler (Y/N)			
Samples Intact (Y/N)			

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; 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	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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G275		WT	G				2			2									X						X				X		24071452-022
2	G275D		WT	G				2			2									X						X						24071452-023
3	G276		WT	G				2			2									X						X				X		24071452-024
4	G277		WT	G				2			2									X						X				X		24071452-025
5	G278		WT	G				0																						X		N/A
6	G279		WT	G				2			2									X						X			X	X		24071452-026
7	G280		WT	G				2			2								X	X						X			X	X		24071452-027
8	G281		WT	G				2			2							X	X					X	X				X			24071452-028
9	G283		WT	G	8.7.24	1352		2			2									X						X						24071452-029
10	G284		WT	G	8.7.24	1125		2			2									X						X						24071452-030
11	G285		WT	G	8.7.24	1203		2			2									X						X						24071452-031
12	G301		WT	G				2			2							X						X								24071452-032
13	G302		WT	G				2			2							X						X								24071452-033
14	G303		WT	G				2			2							X						X								24071452-034
15	G305		WT	G				2			2							X						X								24071452-035
16	G306		WT	G				2			2							X						X								24071452-036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q3 Rev 0	Jeremy Farrell	8.7.24	1727	Amber Dulle	8/7/24	1727

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:	Jeremy Carroll
SIGNATURE of SAMPLER:	Jeremy Carroll
DATE Signed (MM/DD/YY):	8.7.24

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G407	WT	G				2			2								X					X						X				24071452-053
2	G410	WT	G				2			2																			X				24071452-054
3	G411	WT	G				2			2																			X				24071452-055
4	L201	WT	G	8.7.24	1415		0														X											N/A
5	L202	WT	G	8.7.24	1420		0														X											N/A
6	L203	WT	G	8.7.24	1424		0														X											N/A
7	NE Riser	WT	G	8.7.24	1435		0												X						X								N/A
8	R104	WT	G				0															X								X			N/A
9	R201	WT	G				2			2									X		X				X				X				24071452-056
10	R205	WT	G				0																						X				N/A
11	SG-02	WT	G				0										X	X					X	X									N/A
12	SG-03	WT	G				0										X	X					X	X									N/A
13	T127	WT	G				0														X	X											N/A
14	T128	WT	G				0															X											N/A
15	X201	WT	G	8.7.24	1445		0													X						X								N/A
16	XSG-01	WT	G				0										X						X										N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0	Tracy Carroll	8.7.24	1727	Tracy Carroll	8/7/24	1727				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 8.7.24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24071452

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

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-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	Field Blank	WT	G	8.1.24	1449		2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24071452-057
2	G102 Duplicate	WT	G				0														X	X								X			N/A
3	G200 Duplicate	WT	G				2			2									X		X				X					X			24071452-058
4	G217 Duplicate	WT	G				2			2									X						X					X			24071452-059
5	G301 Duplicate	WT	G				2			2							X						X										24071452-060
6	R201 Duplicate	WT	G				2			2									X		X				X					X			24071452-061
7	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24071452-062
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q3 Rev 0	Tracy Farrell	8.7.24	1727	Heather Gilbert	8/7/24	1727				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Farrell

SIGNATURE of SAMPLER: Tracy Farrell DATE Signed (MM/DD/YY): 8.7.24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 9/12/2024 2:43:57 PM Revision 2

JOB DESCRIPTION

Radium-226 and Radium-228
24071452

JOB NUMBER

160-55036-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

myEOL

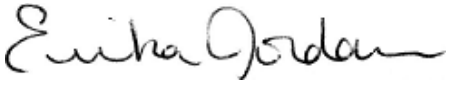
Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



Generated
9/12/2024 2:43:57 PM
Revision 2

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

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CASE NARRATIVE

Client: TekLab, Inc

Project: 24071452

Report Number: 160-55036-1 Revision 2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Revision 2
The report being provided is revision two of the original report sent on 9/9/2024. The initial request included an incorrect sample for collection time revision, so the report has been revised to correct the error. The email is included for documentation.

Revision
The report being provided is a revision of the original report sent on 9/9/2024. The report (revision 1) is being revised in order to correct collection times that were inaccurate on the original chain-of-custody (COC). The email request is included in the revised report for documentation.

Receipt
The samples were received on 8/12/2024 1:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 6 coolers at receipt time were 20.6°C, 21.1°C, 21.3°C, 21.4°C, 21.6°C and 22.0°C.

Method 903.0 - Radium-226 (GFPC)
Samples 24071452-001 (160-55036-1), 24071452-003 (160-55036-2), 24071452-004 (160-55036-3), 24071452-005 (160-55036-4), 24071452-006 (160-55036-5), 24071452-007 (160-55036-6), 24071452-008 (160-55036-7), 24071452-009

(160-55036-8), 24071452-010 (160-55036-9), 24071452-011 (160-55036-10), 24071452-012 (160-55036-11), 24071452-013 (160-55036-12), 24071452-014 (160-55036-13), 24071452-015 (160-55036-14), 24071452-016 (160-55036-15), 24071452-017 (160-55036-16), 24071452-018 (160-55036-17), 24071452-019 (160-55036-18), 24071452-020 (160-55036-19), 24071452-021 (160-55036-20), 24071452-022 (160-55036-21), 24071452-023 (160-55036-22), 24071452-024 (160-55036-23), 24071452-025 (160-55036-24), 24071452-026 (160-55036-25), 24071452-027 (160-55036-26), 24071452-028 (160-55036-27), 24071452-029 (160-55036-28), 24071452-030 (160-55036-29), 24071452-031 (160-55036-30), 24071452-032 (160-55036-31), 24071452-033 (160-55036-32), 24071452-034 (160-55036-33), 24071452-035 (160-55036-34), 24071452-036 (160-55036-35), 24071452-037 (160-55036-36), 24071452-038 (160-55036-37), 24071452-039 (160-55036-38), 24071452-040 (160-55036-39), 24071452-041 (160-55036-40), 24071452-042 (160-55036-41), 24071452-043 (160-55036-42), 24071452-044 (160-55036-43), 24071452-045 (160-55036-44), 24071452-046 (160-55036-45), 24071452-047 (160-55036-46), 24071452-048 (160-55036-47), 24071452-049 (160-55036-48), 24071452-050 (160-55036-49), 24071452-051 (160-55036-50), 24071452-052 (160-55036-51), 24071452-053 (160-55036-52), 24071452-054 (160-55036-53), 24071452-055 (160-55036-54), 24071452-056 (160-55036-55), 24071452-057 (160-55036-56), 24071452-058 (160-55036-57), 24071452-059 (160-55036-58), 24071452-060 (160-55036-59) and 24071452-061 (160-55036-60) were analyzed for Radium-226 (GFPC). The samples were prepared on 8/13/2024 and 8/14/2024 and analyzed on 9/4/2024 and 9/5/2024.

Method 904.0 - Radium-228 (GFPC)
Samples 24071452-001 (160-55036-1), 24071452-003 (160-55036-2), 24071452-004 (160-55036-3), 24071452-005 (160-55036-4), 24071452-006 (160-55036-5), 24071452-007 (160-55036-6), 24071452-008 (160-55036-7), 24071452-009 (160-55036-8), 24071452-010 (160-55036-9), 24071452-011 (160-55036-10), 24071452-012 (160-55036-11), 24071452-013 (160-55036-12), 24071452-014 (160-55036-13), 24071452-015 (160-55036-14), 24071452-016 (160-55036-15), 24071452-017 (160-55036-16), 24071452-018 (160-55036-17), 24071452-019 (160-55036-18), 24071452-020 (160-55036-19), 24071452-021 (160-55036-20), 24071452-022 (160-55036-21), 24071452-023 (160-55036-22), 24071452-024 (160-55036-23), 24071452-025 (160-55036-24), 24071452-026 (160-55036-25), 24071452-027 (160-55036-26), 24071452-028 (160-55036-27), 24071452-029 (160-55036-28), 24071452-030 (160-55036-29), 24071452-031 (160-55036-30), 24071452-032 (160-55036-31), 24071452-033 (160-55036-32), 24071452-034 (160-55036-33), 24071452-035 (160-55036-34), 24071452-036 (160-55036-35), 24071452-037 (160-55036-36), 24071452-038 (160-55036-37), 24071452-039 (160-55036-38), 24071452-040 (160-55036-39), 24071452-041 (160-55036-40), 24071452-042 (160-55036-41), 24071452-043 (160-55036-42), 24071452-044 (160-55036-43), 24071452-045 (160-55036-44), 24071452-046 (160-55036-45), 24071452-047 (160-55036-46), 24071452-048 (160-55036-47), 24071452-049 (160-55036-48), 24071452-050 (160-55036-49), 24071452-051 (160-55036-50), 24071452-052 (160-55036-51), 24071452-053 (160-55036-52), 24071452-054 (160-55036-53), 24071452-055 (160-55036-54), 24071452-056 (160-55036-55), 24071452-057 (160-55036-56), 24071452-058 (160-55036-57), 24071452-059 (160-55036-58), 24071452-060 (160-55036-59) and 24071452-061 (160-55036-60) were analyzed for Radium-228 (GFPC). The samples were prepared on 8/13/2024 and 8/14/2024 and analyzed on 8/22/2024, 8/26/2024 and 8/27/2024.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24071452-001 (160-55036-1), 24071452-006 (160-55036-5), 24071452-008 (160-55036-7), 24071452-009 (160-55036-8), 24071452-010 (160-55036-9), 24071452-011 (160-55036-10), 24071452-012 (160-55036-11), 24071452-013 (160-55036-12), 24071452-014 (160-55036-13), 24071452-015 (160-55036-14), 24071452-016 (160-55036-15), 24071452-017 (160-55036-16), 24071452-018 (160-55036-17), 24071452-019 (160-55036-18), 24071452-020 (160-55036-19), 24071452-021 (160-55036-20), 24071452-022 (160-55036-21), 24071452-023 (160-55036-22), 24071452-024 (160-55036-23), 24071452-025 (160-55036-24), 24071452-026 (160-55036-25), 24071452-027 (160-55036-26), 24071452-028 (160-55036-27), 24071452-029 (160-55036-28), 24071452-030 (160-55036-29), 24071452-031 (160-55036-30), 24071452-032 (160-55036-31), 24071452-033 (160-55036-32), 24071452-034 (160-55036-33), 24071452-035 (160-55036-34), 24071452-036 (160-55036-35), 24071452-037 (160-55036-36), 24071452-038 (160-55036-37), 24071452-039 (160-55036-38), 24071452-040 (160-55036-39), 24071452-041 (160-55036-40), 24071452-042 (160-55036-41), 24071452-043 (160-55036-42), 24071452-044 (160-55036-43), 24071452-045 (160-55036-44), 24071452-046 (160-55036-45), 24071452-047 (160-55036-46), 24071452-048 (160-55036-47), 24071452-049 (160-55036-48), 24071452-050 (160-55036-49), 24071452-051 (160-55036-50), 24071452-052 (160-55036-51), 24071452-053 (160-55036-52), 24071452-054 (160-55036-53), 24071452-055 (160-55036-54), 24071452-056 (160-55036-55), 24071452-057 (160-55036-56), 24071452-058 (160-55036-57), 24071452-059 (160-55036-58), 24071452-060 (160-55036-59) and 24071452-061 (160-55036-60) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 9/9/2024.

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: Teklab, Inc. | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24071452

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 36659 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24071452-001	8/2/2024 10:26:00 AM	HNO3	Groundwater	✔		
	24071452-002	Dry	HNO3	Groundwater	✔		
	24071452-003	8/1/2024 11:48:00 AM	HNO3	Groundwater		✔	✔
	24071452-004	8/5/2024 3:16:00 PM	HNO3	Groundwater		✔	✔
	24071452-005	8/1/2024 1:55:00 PM	HNO3	Groundwater		✔	✔
	24071452-006	8/1/2024 1:09:00 PM	HNO3	Groundwater	✔	✔	✔
	24071452-007	8/1/2024 12:36:00 PM	HNO3	Groundwater		✔	✔
	24071452-008	8/6/2024 12:16:00 PM	HNO3	Groundwater	✔		
	24071452-009	7/30/2024 1:37:00 PM	HNO3	Groundwater	✔		
	24071452-010	7/30/2024 1:06:00 PM	HNO3	Groundwater	✔		
	24071452-011	7/30/2024 11:09:00 AM	HNO3	Groundwater	✔		

160-55036 Chain of Custody

*Relinquished By	Date/Time	Received By	Date/Time
	8/12/24 1100	M. Pinnette	8/12/24 1100
	8/12/24 1300		8/12/24 1300

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA 3/2/2016

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: Teklab, Inc. | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24071452

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 36659 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24071452-012	8/1/2024 10:20:00 AM	HNO3	Groundwater	✔		
	24071452-013	8/1/2024 11:15:00 AM	HNO3	Groundwater	✔		
	24071452-014	8/6/2024 11:19:00 AM	HNO3	Groundwater	✔		
	24071452-015	8/6/2024 9:39:00 AM	HNO3	Groundwater	✔		
	24071452-016	7/31/2024 10:03:00 AM	HNO3	Groundwater	✔		
	24071452-017	7/31/2024 11:16:00 AM	HNO3	Groundwater	✔		
	24071452-018	8/7/2024 1:03:00 PM	HNO3	Groundwater	✔		
	24071452-019	8/7/2024 10:29:00 AM	HNO3	Groundwater	✔		
	24071452-020	7/31/2024 11:24:00 AM	HNO3	Groundwater	✔		
	24071452-021	7/31/2024 10:02:00 AM	HNO3	Groundwater	✔		
	24071452-022	8/1/2024 12:28:00 PM	HNO3	Groundwater	✔		

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	8/1/24 1100	[signature]	8/2/24 1300
	8/2/24 1300	M. Romette	

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SubCocRevA 3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24071452

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 36659 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24071452-023	8/1/2024 12:14:00 PM	HNO3	Groundwater	✔											
	24071452-024	7/31/2024 12:33:00 PM	HNO3	Groundwater	✔											
	24071452-025	7/30/2024 12:39:00 PM	HNO3	Groundwater	✔											
	24071452-026	7/30/2024 10:56:00 AM	HNO3	Groundwater	✔											
	24071452-027	7/30/2024 11:50:00 AM	HNO3	Groundwater	✔											
	24071452-028	7/30/2024 10:13:00 AM	HNO3	Groundwater	✔											
	24071452-029	8/7/2024 1:52:00 PM	HNO3	Groundwater	✔											
	24071452-030	8/7/2024 11:25:00 AM	HNO3	Groundwater	✔											
	24071452-031	8/7/2024 12:03:00 PM	HNO3	Groundwater	✔											
	24071452-032	8/5/2024 10:36:00 AM	HNO3	Groundwater	✔											
	24071452-033	8/5/2024 11:43:00 AM	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	8/12/24 1100	[signature]	8/12/24
[signature]	8/12/24 1300	M. Pmotte	8/12/24 1300

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
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Project# 24071452

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 36659 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24071452-034	7/31/2024 1:49:00 PM	HNO3	Groundwater	✔											
	24071452-035	8/1/2024 10:28:00 AM	HNO3	Groundwater	✔											
	24071452-036	8/1/2024 9:44:00 AM	HNO3	Groundwater	✔											
	24071452-037	8/1/2024 12:13:00 PM	HNO3	Groundwater	✔											
	24071452-038	8/1/2024 11:41:00 AM	HNO3	Groundwater	✔											
	24071452-039	8/1/2024 12:56:00 PM	HNO3	Groundwater	✔											
	24071452-040	8/1/2024 1:47:00 PM	HNO3	Groundwater	✔											
	24071452-041	8/5/2024 12:55:00 PM	HNO3	Groundwater	✔											
	24071452-042	7/31/2024 12:53:00 PM	HNO3	Groundwater	✔											
	24071452-043	7/31/2024 11:48:00 AM	HNO3	Groundwater	✔											
	24071452-044	7/31/2024 10:52:00 AM	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8/1/24 1100		8/1/24 1360
	8/1/24 1300	M. Pruett	8/1/24 1360

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCocRevA
3/2/2016

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: Teklab, Inc. | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24071452

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 36659 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24071452-045	7/31/2024 2:38:00 PM	HNO3	Groundwater	✔											
	24071452-046	7/31/2024 9:53:00 AM	HNO3	Groundwater	✔											
	24071452-047	8/2/2024 9:24:00 AM	HNO3	Groundwater	✔											
	24071452-048	8/1/2024 2:16:00 PM	HNO3	Groundwater	✔											
	24071452-049	8/1/2024 9:16:00 AM	HNO3	Groundwater	✔											
	24071452-050	7/31/2024 12:19:00 PM	HNO3	Groundwater	✔											
	24071452-051	7/31/2024 12:57:00 PM	HNO3	Groundwater	✔											
	24071452-052	8/1/2024 10:00:00 AM	HNO3	Groundwater	✔											
	24071452-053	8/1/2024 10:51:00 AM	HNO3	Groundwater	✔											
	24071452-054	8/2/2024 9:12:00 AM	HNO3	Groundwater	✔											
	24071452-055	8/2/2024 10:02:00 AM	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	8/2/24 1100		8/2/24 1100
	8/2/24 1300		8/2/24 1300

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab, Inc. | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24071452

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 36659 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24071452-056	8/6/2024 1:04:00 PM	HNO3	Groundwater	✔		
	24071452-057	8/7/2024 2:49:00 PM	HNO3	Aqueous	✔	✔	✔
	24071452-058	8/6/2024 12:16:00 PM	HNO3	Groundwater	✔		
	24071452-059	8/6/2024 9:39:00 AM	HNO3	Groundwater	✔		
	24071452-060	8/5/2024 10:36:00 AM	HNO3	Groundwater	✔		
	24071452-061	8/6/2024 1:04:00 PM	HNO3	Groundwater	✔		
			HNO3	Aqueous			
			HNO3	Groundwater			
			HNO3	Groundwater			
			HNO3	Groundwater			
			HNO3	Groundwater			

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	8/12/24 1100	[signature] M. Pinotte	8/12/24 1100
	8/12/24 1300		8/12/24 1300

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SubCocRevA 3/2/2016

Erika Jordan

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Thursday, September 12, 2024 1:42 PM
To: Erika Jordan
Subject: RE: Eurofins TestAmerica revised report files and invoice from 160-55036-1 Radium-226 and Radium-228

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi, Erika,

I was off a line in my revision request. 24071452-021 was correct at 1002. It's 24071452-022 that needed correction to 1227. Please correct these two.

We'll be implementing a system of review to catch these issues for comparison of the digital field file against the summary beginning with Q4 events. I had been comparing the summary to the field COCs, but that's where the errors have been.

Thanks,

Elizabeth Hurley
Director of Customer Service



Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

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From: Erika Jordan <TALS@reports.et.eurofinsus.com>
Sent: Thursday, September 12, 2024 1:00 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Eurofins TestAmerica revised report files and invoice from 160-55036-1 Radium-226 and Radium-228

Hi Elizabeth!

Attached please find the requested revised report files and invoice for job 160-55036-1; Radium-226 and Radium-228

Do you send the sample receipt confirmation to the people in the field so they can review sample login information to confirm accurateness? If not, that would probably be the best solution. Make sure they review and approve before the reports come out.

Please feel free to contact me if you have any questions.

Thank you and have a good day!

Erika Jordan
Project Manager

Eurofins St. Louis

E-mail: erika.jordan@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [160-305853]
Attachments: 2

> > Bank information has changed, please refer to remittance information on invoice. < <

Erika Jordan

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Thursday, September 12, 2024 12:21 PM
To: Erika Jordan
Subject: RE: Eurofins TestAmerica invoice, EDD and report files from 160-55036-1 Radium-226 and Radium-228

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Hi, Erika,

Three transcription errors (field file to COC) have been identified for Teklab WO# 2401452. Will you please update the following collection times in a revised report?

24071452-009 collected 1336
24071452-012 collected 1019
24071452-021 collected 1227

The field operations supervisor and I are working together to put additional checks in place to avoid future revisions of this nature.

Thanks for your help.

Have a great day!

Elizabeth Hurley
Director of Customer Service



Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
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www.teklabinc.com

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From: Erika Jordan <TALS@reports.et.eurofinsus.com>
Sent: Monday, September 9, 2024 1:31 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Eurofins TestAmerica invoice, EDD and report files from 160-55036-1 Radium-226 and Radium-228

Good afternoon!

Attached please find the invoice, EDD and report files for job 160-55036-1; Radium-226 and Radium-228

The samples were received on 8/12/2024 01:05 PM.

Please feel free to contact me if you have any questions.

Thank you and have a nice week!

Erika Jordan
Project Manager

Eurofins St. Louis

E-mail: erika.jordan@et.eurofinsus.com
www.eurofinsus.com/env

Reference: [160-305316]
Attachments: 4

> > Bank information has changed, please refer to remittance information on invoice. < <

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-55036-1
SDG Number: 24071452

Login Number: 55036
List Number: 1
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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

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: 160-55036-1
SDG: 24071452

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-55036-1	24071452-001	Water	08/02/24 10:26	08/12/24 13:05
160-55036-2	24071452-003	Water	08/01/24 11:48	08/12/24 13:05
160-55036-3	24071452-004	Water	08/05/24 15:16	08/12/24 13:05
160-55036-4	24071452-005	Water	08/01/24 13:55	08/12/24 13:05
160-55036-5	24071452-006	Water	08/01/24 13:09	08/12/24 13:05
160-55036-6	24071452-007	Water	08/01/24 12:36	08/12/24 13:05
160-55036-7	24071452-008	Water	08/06/24 12:16	08/12/24 13:05
160-55036-8	24071452-009	Water	07/30/24 13:36	08/12/24 13:05
160-55036-9	24071452-010	Water	07/30/24 13:06	08/12/24 13:05
160-55036-10	24071452-011	Water	07/30/24 11:09	08/12/24 13:05
160-55036-11	24071452-012	Water	08/01/24 10:19	08/12/24 13:05
160-55036-12	24071452-013	Water	08/01/24 11:15	08/12/24 13:05
160-55036-13	24071452-014	Water	08/06/24 11:19	08/12/24 13:05
160-55036-14	24071452-015	Water	08/06/24 09:39	08/12/24 13:05
160-55036-15	24071452-016	Water	07/31/24 10:03	08/12/24 13:05
160-55036-16	24071452-017	Water	07/31/24 11:16	08/12/24 13:05
160-55036-17	24071452-018	Water	08/07/24 13:03	08/12/24 13:05
160-55036-18	24071452-019	Water	08/07/24 10:29	08/12/24 13:05
160-55036-19	24071452-020	Water	07/31/24 11:24	08/12/24 13:05
160-55036-20	24071452-021	Water	07/31/24 10:02	08/12/24 13:05
160-55036-21	24071452-022	Water	08/01/24 12:27	08/12/24 13:05
160-55036-22	24071452-023	Water	08/01/24 12:14	08/12/24 13:05
160-55036-23	24071452-024	Water	07/31/24 12:33	08/12/24 13:05
160-55036-24	24071452-025	Water	07/30/24 12:39	08/12/24 13:05
160-55036-25	24071452-026	Water	07/30/24 10:56	08/12/24 13:05
160-55036-26	24071452-027	Water	07/30/24 11:50	08/12/24 13:05
160-55036-27	24071452-028	Water	07/30/24 10:13	08/12/24 13:05
160-55036-28	24071452-029	Water	08/07/24 13:52	08/12/24 13:05
160-55036-29	24071452-030	Water	08/07/24 11:25	08/12/24 13:05
160-55036-30	24071452-031	Water	08/07/24 12:03	08/12/24 13:05
160-55036-31	24071452-032	Water	08/05/24 10:36	08/12/24 13:05
160-55036-32	24071452-033	Water	08/05/24 11:43	08/12/24 13:05
160-55036-33	24071452-034	Water	07/31/24 13:49	08/12/24 13:05
160-55036-34	24071452-035	Water	08/01/24 10:28	08/12/24 13:05
160-55036-35	24071452-036	Water	08/01/24 09:44	08/12/24 13:05
160-55036-36	24071452-037	Water	08/01/24 12:13	08/12/24 13:05
160-55036-37	24071452-038	Water	08/01/24 11:41	08/12/24 13:05
160-55036-38	24071452-039	Water	08/01/24 12:56	08/12/24 13:05
160-55036-39	24071452-040	Water	08/01/24 13:47	08/12/24 13:05
160-55036-40	24071452-041	Water	08/05/24 12:55	08/12/24 13:05
160-55036-41	24071452-042	Water	07/31/24 12:53	08/12/24 13:05
160-55036-42	24071452-043	Water	07/31/24 11:48	08/12/24 13:05
160-55036-43	24071452-044	Water	07/31/24 10:52	08/12/24 13:05
160-55036-44	24071452-045	Water	07/31/24 14:38	08/12/24 13:05
160-55036-45	24071452-046	Water	07/31/24 09:53	08/12/24 13:05
160-55036-46	24071452-047	Water	08/02/24 09:24	08/12/24 13:05
160-55036-47	24071452-048	Water	08/01/24 14:16	08/12/24 13:05
160-55036-48	24071452-049	Water	08/01/24 09:16	08/12/24 13:05
160-55036-49	24071452-050	Water	07/31/24 12:19	08/12/24 13:05
160-55036-50	24071452-051	Water	07/31/24 12:57	08/12/24 13:05
160-55036-51	24071452-052	Water	08/01/24 10:00	08/12/24 13:05
160-55036-52	24071452-053	Water	08/01/24 10:51	08/12/24 13:05
160-55036-53	24071452-054	Water	08/02/24 09:12	08/12/24 13:05
160-55036-54	24071452-055	Water	08/02/24 10:02	08/12/24 13:05

Sample Summary

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

Job ID: 160-55036-1
SDG: 24071452

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-55036-55	24071452-056	Water	08/06/24 13:04	08/12/24 13:05
160-55036-56	24071452-057	Water	08/07/24 14:49	08/12/24 13:05
160-55036-57	24071452-058	Water	08/06/24 12:16	08/12/24 13:05
160-55036-58	24071452-059	Water	08/06/24 09:39	08/12/24 13:05
160-55036-59	24071452-060	Water	08/05/24 10:36	08/12/24 13:05
160-55036-60	24071452-061	Water	08/06/24 13:04	08/12/24 13:05

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-001
Date Collected: 08/02/24 10:26
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-1
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	0.111		0.0659	0.0666	1.00	0.0782	pCi/L	08/13/24 06:32	09/04/24 15:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.7*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.16		0.456	0.469	1.00	0.585	pCi/L	08/13/24 06:35	08/22/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.7*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*
Y Carrier	*78.1*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.27		0.461	0.474	5.00	0.585	pCi/L		09/09/24 09:26	1

Client Sample ID: 24071452-003
Date Collected: 08/01/24 11:48
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-2
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	0.0954	U	0.0719	0.0724	1.00	0.102	pCi/L	08/13/24 06:32	09/04/24 15:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:39*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.566	U	0.453	0.456	1.00	0.702	pCi/L	08/13/24 06:35	08/22/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*
Y Carrier	*71.8*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-004
Date Collected: 08/05/24 15:16
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-3
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	-0.00348	U	0.0485	0.0485	1.00	0.102	pCi/L	08/13/24 06:32	09/04/24 15:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.431	U	0.359	0.361	1.00	0.558	pCi/L	08/13/24 06:35	08/22/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*
Y Carrier	*75.5*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*

Client Sample ID: 24071452-005
Date Collected: 08/01/24 13:55
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-4
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	0.0828	U	0.0708	0.0712	1.00	0.107	pCi/L	08/13/24 06:32	09/04/24 15:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:40*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.880**		0.386	0.394	1.00	0.503	pCi/L	08/13/24 06:35	08/22/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*
Y Carrier	*81.1*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*

Client Sample ID: 24071452-006
Date Collected: 08/01/24 13:09
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-5
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	0.0962	U	0.0774	0.0778	1.00	0.115	pCi/L	08/13/24 06:32	09/04/24 15:40	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.2*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:40*	*1*

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-006
Date Collected: 08/01/24 13:09
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-5
Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.660		0.354	0.359	1.00	0.496	pCi/L	08/13/24 06:35	08/22/24 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.2*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:05*	*1*
Y Carrier	*90.5*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:05*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.756		0.362	0.367	5.00	0.496	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-007
Date Collected: 08/01/24 12:36
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-6
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	0.140		0.0907	0.0916	1.00	0.125	pCi/L	08/13/24 06:32	09/04/24 15:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.9*		*30 - 110*	*08/13/24 06:32*	*09/04/24 15:41*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0170	U	0.327	0.327	1.00	0.606	pCi/L	08/13/24 06:35	08/22/24 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.9*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*
Y Carrier	*85.2*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:04*	*1*

Client Sample ID: 24071452-008
Date Collected: 08/06/24 12:16
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-7
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	0.0857	U	0.0866	0.0869	1.00	0.137	pCi/L	08/13/24 06:37	09/04/24 21:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:13*	*1*

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-008
Date Collected: 08/06/24 12:16
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-7
Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.405	U	0.384	0.386	1.00	0.614	pCi/L	08/13/24 06:38	08/26/24 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:05*	*1*
Y Carrier	*75.9*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:05*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.491	U	0.394	0.396	5.00	0.614	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-009
Date Collected: 07/30/24 13:36
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-8
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.136**		0.0773	0.0783	1.00	0.0919	pCi/L	08/13/24 06:37	09/04/24 21:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:13*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.490	U	0.436	0.438	1.00	0.690	pCi/L	08/13/24 06:38	08/26/24 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:05*	*1*
Y Carrier	*76.3*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:05*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.626	U	0.443	0.445	5.00	0.690	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-010
Date Collected: 07/30/24 13:06
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-9
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.175**		0.0962	0.0975	1.00	0.122	pCi/L	08/13/24 06:37	09/04/24 21:13	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-010
Date Collected: 07/30/24 13:06
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-9
Matrix: Water

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110	08/13/24 06:37	09/04/24 21:13	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.828		0.379	0.387	1.00	0.495	pCi/L	08/13/24 06:38	08/26/24 12:05	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110	08/13/24 06:38	08/26/24 12:05	1
Y Carrier	81.9		30 - 110	08/13/24 06:38	08/26/24 12:05	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.00		0.391	0.399	5.00	0.495	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-011
Date Collected: 07/30/24 11:09
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-10
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	0.112		0.0739	0.0745	1.00	0.0975	pCi/L	08/13/24 06:37	09/04/24 21:14	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110	08/13/24 06:37	09/04/24 21:14	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.416	U	0.345	0.347	1.00	0.535	pCi/L	08/13/24 06:38	08/26/24 12:05	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110	08/13/24 06:38	08/26/24 12:05	1
Y Carrier	83.4		30 - 110	08/13/24 06:38	08/26/24 12:05	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.528	U	0.353	0.355	5.00	0.535	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-012
Date Collected: 08/01/24 10:19
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-11
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	0.0125	U	0.0690	0.0690	1.00	0.132	pCi/L	08/13/24 06:37	09/04/24 21:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.706**		0.411	0.416	1.00	0.589	pCi/L	08/13/24 06:38	08/26/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:06*	*1*
Y Carrier	*80.0*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.719**		0.417	0.422	5.00	0.589	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-013
Date Collected: 08/01/24 11:15
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-12
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	0.00662	U	0.0755	0.0755	1.00	0.147	pCi/L	08/13/24 06:37	09/04/24 21:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.7*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0433	U	0.282	0.282	1.00	0.548	pCi/L	08/13/24 06:38	08/26/24 12:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.7*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:06*	*1*
Y Carrier	*81.1*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:06*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.00662	U	0.292	0.292	5.00	0.548	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-014
Date Collected: 08/06/24 11:19
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-13
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	0.114	U	0.0837	0.0844	1.00	0.123	pCi/L	08/13/24 06:37	09/04/24 21:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.1*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.304	U	0.350	0.351	1.00	0.575	pCi/L	08/13/24 06:38	08/26/24 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.1*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:07*	*1*
Y Carrier	*81.5*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:07*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.418	U	0.360	0.361	5.00	0.575	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-015
Date Collected: 08/06/24 09:39
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-14
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	0.0696	U	0.0686	0.0689	1.00	0.107	pCi/L	08/13/24 06:37	09/04/24 21:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.114	U	0.286	0.286	1.00	0.503	pCi/L	08/13/24 06:38	08/26/24 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:07*	*1*
Y Carrier	*84.9*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:07*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.184	U	0.294	0.294	5.00	0.503	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-016
Date Collected: 07/31/24 10:03
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-15
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	0.354		0.132	0.136	1.00	0.133	pCi/L	08/13/24 06:37	09/04/24 21:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.656	U	0.479	0.482	1.00	0.728	pCi/L	08/13/24 06:38	08/26/24 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:07*	*1*
Y Carrier	*80.7*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:07*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.01		0.497	0.501	5.00	0.728	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-017
Date Collected: 07/31/24 11:16
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-16
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	0.0640	U	0.0677	0.0680	1.00	0.108	pCi/L	08/13/24 06:37	09/04/24 21:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.6*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0603	U	0.264	0.264	1.00	0.481	pCi/L	08/13/24 06:38	08/26/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.6*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*
Y Carrier	*87.1*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.124	U	0.273	0.273	5.00	0.481	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-018
Date Collected: 08/07/24 13:03
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-17
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	0.252		0.120	0.122	1.00	0.140	pCi/L	08/13/24 06:37	09/04/24 21:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.457	U	0.435	0.437	1.00	0.694	pCi/L	08/13/24 06:38	08/26/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.7*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*
Y Carrier	*88.6*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.709		0.451	0.454	5.00	0.694	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-019
Date Collected: 08/07/24 10:29
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-18
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	0.160		0.109	0.110	1.00	0.152	pCi/L	08/13/24 06:37	09/04/24 21:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0757	U	0.413	0.413	1.00	0.788	pCi/L	08/13/24 06:38	08/26/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*
Y Carrier	*80.4*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.160	U	0.427	0.427	5.00	0.788	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-020
Date Collected: 07/31/24 11:24
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-19
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	0.0862	U	0.0760	0.0764	1.00	0.115	pCi/L	08/13/24 06:37	09/04/24 21:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.2*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.226	U	0.304	0.305	1.00	0.510	pCi/L	08/13/24 06:38	08/26/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.2*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*
Y Carrier	*85.2*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.312	U	0.313	0.314	5.00	0.510	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-021
Date Collected: 07/31/24 10:02
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-20
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	0.0640	U	0.0644	0.0647	1.00	0.100	pCi/L	08/13/24 06:37	09/04/24 21:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.119	U	0.269	0.270	1.00	0.544	pCi/L	08/13/24 06:38	08/26/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*
Y Carrier	*84.5*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0640	U	0.277	0.278	5.00	0.544	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-022
Date Collected: 08/01/24 12:27
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-21
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	0.0507	U	0.0750	0.0751	1.00	0.128	pCi/L	08/13/24 06:37	09/04/24 21:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.555	U	0.452	0.455	1.00	0.705	pCi/L	08/13/24 06:38	08/26/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*
Y Carrier	*86.4*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.605	U	0.458	0.461	5.00	0.705	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-023
Date Collected: 08/01/24 12:14
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-22
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	**0.362**		0.166	0.169	1.00	0.209	pCi/L	08/13/24 06:37	09/04/24 21:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.1*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.755	U	0.592	0.596	1.00	0.916	pCi/L	08/13/24 06:38	08/26/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.1*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*
Y Carrier	*82.6*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.12**		0.615	0.619	5.00	0.916	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-024
Date Collected: 07/31/24 12:33
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-23
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	**0.169**		0.0893	0.0906	1.00	0.113	pCi/L	08/13/24 06:37	09/04/24 21:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.6*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:17*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.454	U	0.346	0.348	1.00	0.527	pCi/L	08/13/24 06:38	08/26/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.6*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:10*	*1*
Y Carrier	*81.9*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.623**		0.357	0.360	5.00	0.527	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-025
Date Collected: 07/30/24 12:39
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-24
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	**0.0903**		0.0643	0.0649	1.00	0.0875	pCi/L	08/13/24 06:37	09/04/24 21:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:18*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.411	U	0.368	0.370	1.00	0.584	pCi/L	08/13/24 06:38	08/26/24 12:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:10*	*1*
Y Carrier	*83.4*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:10*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.502	U	0.374	0.376	5.00	0.584	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-026
Date Collected: 07/30/24 10:56
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-25
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	0.178		0.0840	0.0855	1.00	0.0979	pCi/L	08/13/24 06:37	09/04/24 21:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:18*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.172	U	0.246	0.247	1.00	0.514	pCi/L	08/13/24 06:38	08/26/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:11*	*1*
Y Carrier	*81.9*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:11*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.178	U	0.260	0.261	5.00	0.514	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-027
Date Collected: 07/30/24 11:50
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-26
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.122		0.0745	0.0753	1.00	0.0953	pCi/L	08/13/24 06:37	09/04/24 21:18	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:18*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.179	U	0.368	0.368	1.00	0.645	pCi/L	08/13/24 06:38	08/26/24 14:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/13/24 06:38*	*08/26/24 14:32*	*1*
Y Carrier	*82.2*		*30 - 110*	*08/13/24 06:38*	*08/26/24 14:32*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.301	U	0.375	0.376	5.00	0.645	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-028
Date Collected: 07/30/24 10:13
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-27
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	0.258		0.116	0.118	1.00	0.115	pCi/L	08/13/24 06:44	09/04/24 21:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*08/13/24 06:44*	*09/04/24 21:19*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.409	U	0.433	0.435	1.00	0.701	pCi/L	08/13/24 06:46	08/27/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*
Y Carrier	*79.3*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.667	U	0.448	0.451	5.00	0.701	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-029
Date Collected: 08/07/24 13:52
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-28
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	0.393		0.118	0.123	1.00	0.101	pCi/L	08/13/24 06:44	09/04/24 21:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.6*		*30 - 110*	*08/13/24 06:44*	*09/04/24 21:19*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.869		0.377	0.386	1.00	0.493	pCi/L	08/13/24 06:46	08/27/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.6*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*
Y Carrier	*81.1*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.26		0.395	0.405	5.00	0.493	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-030
Lab Sample ID: 160-55036-29
Date Collected: 08/07/24 11:25
Matrix: Water
Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.123		0.0799	0.0806	1.00	0.105	pCi/L	08/13/24 06:44	09/04/24 23:08	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110	08/13/24 06:44	09/04/24 23:08	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.660		0.356	0.361	1.00	0.491	pCi/L	08/13/24 06:46	08/27/24 11:55	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110	08/13/24 06:46	08/27/24 11:55	1
Y Carrier	83.4		30 - 110	08/13/24 06:46	08/27/24 11:55	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.783		0.365	0.370	5.00	0.491	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-031
Lab Sample ID: 160-55036-30
Date Collected: 08/07/24 12:03
Matrix: Water
Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.461		0.131	0.137	1.00	0.108	pCi/L	08/13/24 06:44	09/04/24 23:08	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110	08/13/24 06:44	09/04/24 23:08	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.28		0.433	0.449	1.00	0.511	pCi/L	08/13/24 06:46	08/27/24 11:55	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110	08/13/24 06:46	08/27/24 11:55	1
Y Carrier	84.5		30 - 110	08/13/24 06:46	08/27/24 11:55	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.74		0.452	0.469	5.00	0.511	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-032
Date Collected: 08/05/24 10:36
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-31
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	0.127	U	0.101	0.101	1.00	0.152	pCi/L	08/13/24 06:44	09/04/24 23:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.634	U	0.428	0.432	1.00	0.649	pCi/L	08/13/24 06:46	08/27/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.0*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*
Y Carrier	*83.7*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.760**		0.440	0.444	5.00	0.649	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-033
Date Collected: 08/05/24 11:43
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-32
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	**0.170**		0.0955	0.0967	1.00	0.124	pCi/L	08/13/24 06:44	09/04/24 23:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.353	U	0.350	0.351	1.00	0.562	pCi/L	08/13/24 06:46	08/27/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*
Y Carrier	*81.5*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.523	U	0.363	0.364	5.00	0.562	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-034
Date Collected: 07/31/24 13:49
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-33
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	0.0691	U	0.0641	0.0644	1.00	0.0965	pCi/L	08/13/24 06:44	09/04/24 23:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.9*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.425	U	0.312	0.315	1.00	0.470	pCi/L	08/13/24 06:46	08/27/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.9*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*
Y Carrier	*84.9*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.494**		0.319	0.322	5.00	0.470	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-035
Date Collected: 08/01/24 10:28
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-34
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	**0.142**		0.0832	0.0842	1.00	0.107	pCi/L	08/13/24 06:44	09/04/24 23:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0575	U	0.242	0.242	1.00	0.478	pCi/L	08/13/24 06:46	08/27/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*
Y Carrier	*84.5*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.142	U	0.256	0.256	5.00	0.478	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-036
Date Collected: 08/01/24 09:44
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-35
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	0.0770	U	0.0831	0.0834	1.00	0.132	pCi/L	08/13/24 06:44	09/04/24 23:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.127	U	0.376	0.376	1.00	0.671	pCi/L	08/13/24 06:46	08/27/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*
Y Carrier	*86.7*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.204	U	0.385	0.385	5.00	0.671	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-037
Date Collected: 08/01/24 12:13
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-36
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	**0.144**		0.0792	0.0803	1.00	0.0950	pCi/L	08/13/24 06:44	09/04/24 23:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.6*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.10**		0.405	0.418	1.00	0.501	pCi/L	08/13/24 06:46	08/27/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.6*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*
Y Carrier	*83.7*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:55*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.25**		0.413	0.426	5.00	0.501	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-038
Date Collected: 08/01/24 11:41
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-37
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0431	U	0.0604	0.0605	1.00	0.102	pCi/L	08/13/24 06:44	09/04/24 23:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.68**		0.481	0.505	1.00	0.525	pCi/L	08/13/24 06:46	08/27/24 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:56*	*1*
Y Carrier	*83.4*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:56*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.72**		0.485	0.509	5.00	0.525	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-039
Date Collected: 08/01/24 12:56
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-38
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	0.0414	U	0.0503	0.0504	1.00	0.0815	pCi/L	08/13/24 06:44	09/04/24 23:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.14**		0.396	0.410	1.00	0.469	pCi/L	08/13/24 06:46	08/27/24 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.9*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:56*	*1*
Y Carrier	*83.4*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:56*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.18**		0.399	0.413	5.00	0.469	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-040
Date Collected: 08/01/24 13:47
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-39
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	-0.0173	U	0.0424	0.0425	1.00	0.102	pCi/L	08/13/24 06:44	09/04/24 23:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.6*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.105	U	0.329	0.329	1.00	0.588	pCi/L	08/13/24 06:46	08/27/24 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.6*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:56*	*1*
Y Carrier	*70.7*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:56*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.105	U	0.332	0.332	5.00	0.588	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-041
Date Collected: 08/05/24 12:55
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-40
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	0.0496	U	0.0668	0.0670	1.00	0.112	pCi/L	08/13/24 06:44	09/04/24 23:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0506	U	0.325	0.325	1.00	0.600	pCi/L	08/13/24 06:46	08/27/24 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:56*	*1*
Y Carrier	*68.0*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:56*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.100	U	0.332	0.332	5.00	0.600	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-042
Date Collected: 07/31/24 12:53
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-41
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	0.0883	U	0.0808	0.0811	1.00	0.124	pCi/L	08/13/24 06:44	09/04/24 23:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.34**		0.452	0.469	1.00	0.521	pCi/L	08/13/24 06:46	08/27/24 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:56*	*1*
Y Carrier	*78.1*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:56*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.43**		0.459	0.476	5.00	0.521	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-043
Date Collected: 07/31/24 11:48
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-42
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	**0.297**		0.114	0.117	1.00	0.125	pCi/L	08/13/24 06:44	09/04/24 23:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.906**		0.418	0.426	1.00	0.568	pCi/L	08/13/24 06:46	08/27/24 11:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:53*	*1*
Y Carrier	*78.9*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:53*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.20**		0.433	0.442	5.00	0.568	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-044
Date Collected: 07/31/24 10:52
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-43
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	0.600		0.150	0.159	1.00	0.122	pCi/L	08/13/24 06:44	09/04/24 23:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.285	U	0.312	0.313	1.00	0.508	pCi/L	08/13/24 06:46	08/27/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:54*	*1*
Y Carrier	*80.4*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:54*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.885		0.346	0.351	5.00	0.508	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-045
Date Collected: 07/31/24 14:38
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-44
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	0.000	U	0.0596	0.0596	1.00	0.122	pCi/L	08/13/24 06:44	09/04/24 23:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.742		0.395	0.401	1.00	0.565	pCi/L	08/13/24 06:46	08/27/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:54*	*1*
Y Carrier	*84.5*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:54*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.742		0.399	0.405	5.00	0.565	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-046
Date Collected: 07/31/24 09:53
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-45
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	0.164		0.0981	0.0992	1.00	0.133	pCi/L	08/13/24 06:44	09/04/24 23:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0275	U	0.353	0.353	1.00	0.643	pCi/L	08/13/24 06:46	08/27/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:54*	*1*
Y Carrier	*81.9*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:54*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.192	U	0.366	0.367	5.00	0.643	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-047
Date Collected: 08/02/24 09:24
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-46
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	0.0526	U	0.0615	0.0617	1.00	0.0996	pCi/L	08/13/24 06:44	09/04/24 23:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*08/13/24 06:44*	*09/04/24 23:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.106	U	0.314	0.314	1.00	0.557	pCi/L	08/13/24 06:46	08/27/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:54*	*1*
Y Carrier	*85.6*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:54*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.159	U	0.320	0.320	5.00	0.557	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-048
Date Collected: 08/01/24 14:16
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-47
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	0.00531	U	0.0745	0.0745	1.00	0.143	pCi/L	08/14/24 07:22	09/05/24 15:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.937**		0.412	0.421	1.00	0.529	pCi/L	08/14/24 07:27	08/26/24 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:50*	*1*
Y Carrier	*75.5*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.942**		0.419	0.428	5.00	0.529	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-049
Date Collected: 08/01/24 09:16
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-48
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	0.0194	U	0.0645	0.0645	1.00	0.121	pCi/L	08/14/24 07:22	09/05/24 15:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:08*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.518	U	0.465	0.467	1.00	0.733	pCi/L	08/14/24 07:27	08/26/24 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:50*	*1*
Y Carrier	*60.9*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.537	U	0.469	0.471	5.00	0.733	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-050
Date Collected: 07/31/24 12:19
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-49
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	0.0643	U	0.0565	0.0568	1.00	0.0819	pCi/L	08/14/24 07:22	09/05/24 15:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.397	U	0.354	0.356	1.00	0.558	pCi/L	08/14/24 07:27	08/26/24 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.4*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:50*	*1*
Y Carrier	*77.4*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.462	U	0.358	0.361	5.00	0.558	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-051
Date Collected: 07/31/24 12:57
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-50
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	0.0427	U	0.0595	0.0596	1.00	0.101	pCi/L	08/14/24 07:22	09/05/24 15:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.6*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.897**		0.423	0.431	1.00	0.559	pCi/L	08/14/24 07:27	08/26/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.6*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*
Y Carrier	*66.2*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.940**		0.427	0.435	5.00	0.559	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-052
Date Collected: 08/01/24 10:00
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-51
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	0.00670	U	0.0539	0.0539	1.00	0.108	pCi/L	08/14/24 07:22	09/05/24 15:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.704**		0.434	0.438	1.00	0.633	pCi/L	08/14/24 07:27	08/26/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*
Y Carrier	*71.4*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.710**		0.437	0.441	5.00	0.633	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-053
Date Collected: 08/01/24 10:51
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-52
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	0.0425	U	0.0585	0.0586	1.00	0.0987	pCi/L	08/14/24 07:22	09/05/24 15:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.36**		0.676	0.743	1.00	0.579	pCi/L	08/14/24 07:27	08/26/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.5*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*
Y Carrier	*70.3*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**3.40**		0.679	0.745	5.00	0.579	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-054
Date Collected: 08/02/24 09:12
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-53
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	0.0866	U	0.0647	0.0652	1.00	0.0897	pCi/L	08/14/24 07:22	09/05/24 15:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:11*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.950**		0.432	0.441	1.00	0.577	pCi/L	08/14/24 07:27	08/26/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*
Y Carrier	*71.4*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.04**		0.437	0.446	5.00	0.577	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-055
Date Collected: 08/02/24 10:02
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-54
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	**0.0957**		0.0654	0.0660	1.00	0.0859	pCi/L	08/14/24 07:22	09/05/24 15:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:11*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.802**		0.396	0.402	1.00	0.538	pCi/L	08/14/24 07:27	08/26/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.1*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*
Y Carrier	*76.6*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.898**		0.401	0.407	5.00	0.538	pCi/L		09/09/24 10:52	1

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

Client Sample ID: 24071452-056
Date Collected: 08/06/24 13:04
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-55
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	0.276		0.100	0.103	1.00	0.0930	pCi/L	08/14/24 07:22	09/05/24 15:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.4*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:11*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.316	U	0.343	0.344	1.00	0.557	pCi/L	08/14/24 07:27	08/26/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.4*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*
Y Carrier	*71.4*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.591		0.357	0.359	5.00	0.557	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-057
Date Collected: 08/07/24 14:49
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-56
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	0.0432	U	0.0463	0.0465	1.00	0.0721	pCi/L	08/14/24 07:22	09/05/24 15:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:11*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.430	U	0.329	0.331	1.00	0.503	pCi/L	08/14/24 07:27	08/26/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*
Y Carrier	*74.8*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.473	U	0.332	0.334	5.00	0.503	pCi/L		09/09/24 10:52	1

Client Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-058
Date Collected: 08/06/24 12:16
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-57
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	0.0754	U	0.0645	0.0648	1.00	0.0953	pCi/L	08/14/24 07:22	09/05/24 15:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.6*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:11*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.329	U	0.313	0.315	1.00	0.498	pCi/L	08/14/24 07:27	08/26/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.6*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:52*	*1*
Y Carrier	*78.1*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.405	U	0.320	0.322	5.00	0.498	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-059
Date Collected: 08/06/24 09:39
Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-58
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	**0.0973**		0.0634	0.0640	1.00	0.0778	pCi/L	08/14/24 07:22	09/05/24 15:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:12*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.11**		0.494	0.504	1.00	0.663	pCi/L	08/14/24 07:27	08/26/24 12:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*08/14/24 07:27*	*08/26/24 12:02*	*1*
Y Carrier	*68.4*		*30 - 110*	*08/14/24 07:27*	*08/26/24 12:02*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.21**		0.498	0.508	5.00	0.663	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-060
Lab Sample ID: 160-55036-59
Date Collected: 08/05/24 10:36
Matrix: Water
Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.103	U	0.0781	0.0786	1.00	0.114	pCi/L	08/14/24 07:22	09/05/24 15:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.973**		0.480	0.489	1.00	0.653	pCi/L	08/14/24 07:27	08/26/24 12:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.3*		*30 - 110*	*08/14/24 07:27*	*08/26/24 12:02*	*1*
Y Carrier	*61.7*		*30 - 110*	*08/14/24 07:27*	*08/26/24 12:02*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.08**		0.486	0.495	5.00	0.653	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-061
Lab Sample ID: 160-55036-60
Date Collected: 08/06/24 13:04
Matrix: Water
Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.124**		0.0877	0.0884	1.00	0.124	pCi/L	08/14/24 07:22	09/05/24 15:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*08/14/24 07:22*	*09/05/24 15:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.956**		0.578	0.585	1.00	0.852	pCi/L	08/14/24 07:27	08/26/24 12:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*30 - 110*	*08/14/24 07:27*	*08/26/24 12:02*	*1*
Y Carrier	*60.6*		*30 - 110*	*08/14/24 07:27*	*08/26/24 12:02*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.08**		0.585	0.592	5.00	0.852	pCi/L		09/09/24 10:52	1

QC Sample Results

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

Job ID: 160-55036-1
SDG: 24071452

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-674779/1-A
Matrix: Water
Analysis Batch: 677983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674779

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05196	U	0.0539	0.0541	1.00	0.0843	pCi/L	08/13/24 06:32	09/04/24 08:13	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*08/13/24 06:32*	*09/04/24 08:13*	*1*

Lab Sample ID: LCS 160-674779/2-A
Matrix: Water
Analysis Batch: 677983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674779

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.736		0.940	1.00	0.130	pCi/L	91	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.9*		*30 - 110*

Lab Sample ID: MB 160-674782/1-A
Matrix: Water
Analysis Batch: 677983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674782

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.04374	U	0.0755	0.0756	1.00	0.132	pCi/L	08/13/24 06:37	09/04/24 21:13	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*08/13/24 06:37*	*09/04/24 21:13*	*1*

Lab Sample ID: LCS 160-674782/2-A
Matrix: Water
Analysis Batch: 677983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674782

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.941		1.05	1.00	0.0954	pCi/L	104	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.1*		*30 - 110*

Lab Sample ID: 160-55036-11 DU
Matrix: Water
Analysis Batch: 677983

Client Sample ID: 24071452-012
Prep Type: Total/NA
Prep Batch: 674782

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0125	U		0.1083	U	0.0954	1.00	0.147	pCi/L			0.58	1

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 160-55036-11 DU
Matrix: Water
Analysis Batch: 677983

Client Sample ID: 24071452-012
Prep Type: Total/NA
Prep Batch: 674782

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	87.5		30 - 110

Lab Sample ID: MB 160-674785/1-A
Matrix: Water
Analysis Batch: 677964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674785

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.08137	U	0.0646	0.0650	1.00	0.0918	pCi/L	08/13/24 06:44	09/04/24 21:19	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.1		30 - 110	08/13/24 06:44	09/04/24 21:19	1

Lab Sample ID: LCS 160-674785/2-A
Matrix: Water
Analysis Batch: 677964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674785

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.865		1.04	1.00	0.0958	pCi/L	103	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.9		30 - 110

Lab Sample ID: 160-55036-46 DU
Matrix: Water
Analysis Batch: 677983

Client Sample ID: 24071452-047
Prep Type: Total/NA
Prep Batch: 674785

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0526	U		-0.00299 8	U	0.0446	1.00	0.0974	pCi/L			0.52	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	95.3		30 - 110

Lab Sample ID: MB 160-674948/1-A
Matrix: Water
Analysis Batch: 678159

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674948

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02517	U	0.0338	0.0339	1.00	0.0917	pCi/L	08/14/24 07:22	09/05/24 15:08	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110	08/14/24 07:22	09/05/24 15:08	1

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-674948/2-A
Matrix: Water
Analysis Batch: 678159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674948

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	10.48		1.09	1.00	0.0967	pCi/L	109	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.4*		*30 - 110*

Lab Sample ID: 160-55036-48 DU
Matrix: Water
Analysis Batch: 678159

Client Sample ID: 24071452-049
Prep Type: Total/NA
Prep Batch: 674948

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0194	U		0.1008		0.0689	1.00	0.0908	pCi/L			0.61	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*89.4*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-674780/1-A
Matrix: Water
Analysis Batch: 676153

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674780

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2102	U	0.277	0.277	1.00	0.462	pCi/L	08/13/24 06:35	08/22/24 12:01	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:01*	*1*
Y Carrier	*85.6*		*30 - 110*	*08/13/24 06:35*	*08/22/24 12:01*	*1*

Lab Sample ID: LCS 160-674780/2-A
Matrix: Water
Analysis Batch: 676153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674780

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.58	10.17		1.34	1.00	0.475	pCi/L	119	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.9*		*30 - 110*
Y Carrier	*85.2*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-674783/1-A
Matrix: Water
Analysis Batch: 676623

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674783

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5483		0.361	0.365	1.00	0.536	pCi/L	08/13/24 06:38	08/26/24 12:05	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:05*	*1*
Y Carrier	*88.6*		*30 - 110*	*08/13/24 06:38*	*08/26/24 12:05*	*1*

Lab Sample ID: LCS 160-674783/2-A
Matrix: Water
Analysis Batch: 676623

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674783

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.57	9.428		1.27	1.00	0.489	pCi/L	110	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.1*		*30 - 110*
Y Carrier	*86.0*		*30 - 110*

Lab Sample ID: 160-55036-11 DU
Matrix: Water
Analysis Batch: 676623

Client Sample ID: 24071452-012
Prep Type: Total/NA
Prep Batch: 674783

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.706			0.1061	U	0.379	1.00	0.672	pCi/L			0.75	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*87.5*		*30 - 110*
Y Carrier	*84.5*		*30 - 110*

Lab Sample ID: MB 160-674786/1-A
Matrix: Water
Analysis Batch: 676809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674786

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.002243	U	0.262	0.262	1.00	0.499	pCi/L	08/13/24 06:46	08/27/24 11:54	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:54*	*1*
Y Carrier	*77.4*		*30 - 110*	*08/13/24 06:46*	*08/27/24 11:54*	*1*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-674786/2-A
Matrix: Water
Analysis Batch: 676809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674786

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.57	9.326		1.30	1.00	0.551	pCi/L	109	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.9*		*30 - 110*
Y Carrier	*75.1*		*30 - 110*

Lab Sample ID: 160-55036-46 DU
Matrix: Water
Analysis Batch: 676926

Client Sample ID: 24071452-047
Prep Type: Total/NA
Prep Batch: 674786

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.106	U		0.5941		0.338	1.00	0.473	pCi/L			0.75	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*95.3*		*30 - 110*
Y Carrier	*84.9*		*30 - 110*

Lab Sample ID: MB 160-674950/1-A
Matrix: Water
Analysis Batch: 676625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674950

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.05880	U	0.252	0.252	1.00	0.461	pCi/L	08/14/24 07:27	08/26/24 11:50	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.6*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:50*	*1*
Y Carrier	*82.6*		*30 - 110*	*08/14/24 07:27*	*08/26/24 11:50*	*1*

Lab Sample ID: LCS 160-674950/2-A
Matrix: Water
Analysis Batch: 676625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674950

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.57	9.813		1.30	1.00	0.481	pCi/L	115	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.4*		*30 - 110*
Y Carrier	*84.1*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 160-55036-48 DU
Matrix: Water
Analysis Batch: 676625

Client Sample ID: 24071452-049
Prep Type: Total/NA
Prep Batch: 674950

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.518	U		1.663		0.583	1.00	0.707	pCi/L			1.09	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*89.4*		*30 - 110*
Y Carrier	*72.5*		*30 - 110*

QC Association Summary

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

Job ID: 160-55036-1
SDG: 24071452

Rad

Prep Batch: 674779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-1	24071452-001	Total/NA	Water	PrecSep-21	
160-55036-2	24071452-003	Total/NA	Water	PrecSep-21	
160-55036-3	24071452-004	Total/NA	Water	PrecSep-21	
160-55036-4	24071452-005	Total/NA	Water	PrecSep-21	
160-55036-5	24071452-006	Total/NA	Water	PrecSep-21	
160-55036-6	24071452-007	Total/NA	Water	PrecSep-21	
MB 160-674779/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674779/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 674780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-1	24071452-001	Total/NA	Water	PrecSep_0	
160-55036-2	24071452-003	Total/NA	Water	PrecSep_0	
160-55036-3	24071452-004	Total/NA	Water	PrecSep_0	
160-55036-4	24071452-005	Total/NA	Water	PrecSep_0	
160-55036-5	24071452-006	Total/NA	Water	PrecSep_0	
160-55036-6	24071452-007	Total/NA	Water	PrecSep_0	
MB 160-674780/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674780/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 674782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-7	24071452-008	Total/NA	Water	PrecSep-21	
160-55036-8	24071452-009	Total/NA	Water	PrecSep-21	
160-55036-9	24071452-010	Total/NA	Water	PrecSep-21	
160-55036-10	24071452-011	Total/NA	Water	PrecSep-21	
160-55036-11	24071452-012	Total/NA	Water	PrecSep-21	
160-55036-12	24071452-013	Total/NA	Water	PrecSep-21	
160-55036-13	24071452-014	Total/NA	Water	PrecSep-21	
160-55036-14	24071452-015	Total/NA	Water	PrecSep-21	
160-55036-15	24071452-016	Total/NA	Water	PrecSep-21	
160-55036-16	24071452-017	Total/NA	Water	PrecSep-21	
160-55036-17	24071452-018	Total/NA	Water	PrecSep-21	
160-55036-18	24071452-019	Total/NA	Water	PrecSep-21	
160-55036-19	24071452-020	Total/NA	Water	PrecSep-21	
160-55036-20	24071452-021	Total/NA	Water	PrecSep-21	
160-55036-21	24071452-022	Total/NA	Water	PrecSep-21	
160-55036-22	24071452-023	Total/NA	Water	PrecSep-21	
160-55036-23	24071452-024	Total/NA	Water	PrecSep-21	
160-55036-24	24071452-025	Total/NA	Water	PrecSep-21	
160-55036-25	24071452-026	Total/NA	Water	PrecSep-21	
160-55036-26	24071452-027	Total/NA	Water	PrecSep-21	
MB 160-674782/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674782/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55036-11 DU	24071452-012	Total/NA	Water	PrecSep-21	

Prep Batch: 674783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-7	24071452-008	Total/NA	Water	PrecSep_0	
160-55036-8	24071452-009	Total/NA	Water	PrecSep_0	
160-55036-9	24071452-010	Total/NA	Water	PrecSep_0	

QC Association Summary

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

Job ID: 160-55036-1
SDG: 24071452

Rad (Continued)

Prep Batch: 674783 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-10	24071452-011	Total/NA	Water	PrecSep_0	
160-55036-11	24071452-012	Total/NA	Water	PrecSep_0	
160-55036-12	24071452-013	Total/NA	Water	PrecSep_0	
160-55036-13	24071452-014	Total/NA	Water	PrecSep_0	
160-55036-14	24071452-015	Total/NA	Water	PrecSep_0	
160-55036-15	24071452-016	Total/NA	Water	PrecSep_0	
160-55036-16	24071452-017	Total/NA	Water	PrecSep_0	
160-55036-17	24071452-018	Total/NA	Water	PrecSep_0	
160-55036-18	24071452-019	Total/NA	Water	PrecSep_0	
160-55036-19	24071452-020	Total/NA	Water	PrecSep_0	
160-55036-20	24071452-021	Total/NA	Water	PrecSep_0	
160-55036-21	24071452-022	Total/NA	Water	PrecSep_0	
160-55036-22	24071452-023	Total/NA	Water	PrecSep_0	
160-55036-23	24071452-024	Total/NA	Water	PrecSep_0	
160-55036-24	24071452-025	Total/NA	Water	PrecSep_0	
160-55036-25	24071452-026	Total/NA	Water	PrecSep_0	
160-55036-26	24071452-027	Total/NA	Water	PrecSep_0	
MB 160-674783/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674783/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55036-11 DU	24071452-012	Total/NA	Water	PrecSep_0	

Prep Batch: 674785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-27	24071452-028	Total/NA	Water	PrecSep-21	
160-55036-28	24071452-029	Total/NA	Water	PrecSep-21	
160-55036-29	24071452-030	Total/NA	Water	PrecSep-21	
160-55036-30	24071452-031	Total/NA	Water	PrecSep-21	
160-55036-31	24071452-032	Total/NA	Water	PrecSep-21	
160-55036-32	24071452-033	Total/NA	Water	PrecSep-21	
160-55036-33	24071452-034	Total/NA	Water	PrecSep-21	
160-55036-34	24071452-035	Total/NA	Water	PrecSep-21	
160-55036-35	24071452-036	Total/NA	Water	PrecSep-21	
160-55036-36	24071452-037	Total/NA	Water	PrecSep-21	
160-55036-37	24071452-038	Total/NA	Water	PrecSep-21	
160-55036-38	24071452-039	Total/NA	Water	PrecSep-21	
160-55036-39	24071452-040	Total/NA	Water	PrecSep-21	
160-55036-40	24071452-041	Total/NA	Water	PrecSep-21	
160-55036-41	24071452-042	Total/NA	Water	PrecSep-21	
160-55036-42	24071452-043	Total/NA	Water	PrecSep-21	
160-55036-43	24071452-044	Total/NA	Water	PrecSep-21	
160-55036-44	24071452-045	Total/NA	Water	PrecSep-21	
160-55036-45	24071452-046	Total/NA	Water	PrecSep-21	
160-55036-46	24071452-047	Total/NA	Water	PrecSep-21	
MB 160-674785/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674785/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55036-46 DU	24071452-047	Total/NA	Water	PrecSep-21	

Prep Batch: 674786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-27	24071452-028	Total/NA	Water	PrecSep_0	
160-55036-28	24071452-029	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 674786 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-29	24071452-030	Total/NA	Water	PrecSep_0	
160-55036-30	24071452-031	Total/NA	Water	PrecSep_0	
160-55036-31	24071452-032	Total/NA	Water	PrecSep_0	
160-55036-32	24071452-033	Total/NA	Water	PrecSep_0	
160-55036-33	24071452-034	Total/NA	Water	PrecSep_0	
160-55036-34	24071452-035	Total/NA	Water	PrecSep_0	
160-55036-35	24071452-036	Total/NA	Water	PrecSep_0	
160-55036-36	24071452-037	Total/NA	Water	PrecSep_0	
160-55036-37	24071452-038	Total/NA	Water	PrecSep_0	
160-55036-38	24071452-039	Total/NA	Water	PrecSep_0	
160-55036-39	24071452-040	Total/NA	Water	PrecSep_0	
160-55036-40	24071452-041	Total/NA	Water	PrecSep_0	
160-55036-41	24071452-042	Total/NA	Water	PrecSep_0	
160-55036-42	24071452-043	Total/NA	Water	PrecSep_0	
160-55036-43	24071452-044	Total/NA	Water	PrecSep_0	
160-55036-44	24071452-045	Total/NA	Water	PrecSep_0	
160-55036-45	24071452-046	Total/NA	Water	PrecSep_0	
160-55036-46	24071452-047	Total/NA	Water	PrecSep_0	
MB 160-674786/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674786/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55036-46 DU	24071452-047	Total/NA	Water	PrecSep_0	

Prep Batch: 674948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-47	24071452-048	Total/NA	Water	PrecSep-21	
160-55036-48	24071452-049	Total/NA	Water	PrecSep-21	
160-55036-49	24071452-050	Total/NA	Water	PrecSep-21	
160-55036-50	24071452-051	Total/NA	Water	PrecSep-21	
160-55036-51	24071452-052	Total/NA	Water	PrecSep-21	
160-55036-52	24071452-053	Total/NA	Water	PrecSep-21	
160-55036-53	24071452-054	Total/NA	Water	PrecSep-21	
160-55036-54	24071452-055	Total/NA	Water	PrecSep-21	
160-55036-55	24071452-056	Total/NA	Water	PrecSep-21	
160-55036-56	24071452-057	Total/NA	Water	PrecSep-21	
160-55036-57	24071452-058	Total/NA	Water	PrecSep-21	
160-55036-58	24071452-059	Total/NA	Water	PrecSep-21	
160-55036-59	24071452-060	Total/NA	Water	PrecSep-21	
160-55036-60	24071452-061	Total/NA	Water	PrecSep-21	
MB 160-674948/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674948/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55036-48 DU	24071452-049	Total/NA	Water	PrecSep-21	

Prep Batch: 674950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-47	24071452-048	Total/NA	Water	PrecSep_0	
160-55036-48	24071452-049	Total/NA	Water	PrecSep_0	
160-55036-49	24071452-050	Total/NA	Water	PrecSep_0	
160-55036-50	24071452-051	Total/NA	Water	PrecSep_0	
160-55036-51	24071452-052	Total/NA	Water	PrecSep_0	
160-55036-52	24071452-053	Total/NA	Water	PrecSep_0	
160-55036-53	24071452-054	Total/NA	Water	PrecSep_0	

QC Association Summary

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

Job ID: 160-55036-1
SDG: 24071452

Rad (Continued)

Prep Batch: 674950 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-54	24071452-055	Total/NA	Water	PrecSep_0	
160-55036-55	24071452-056	Total/NA	Water	PrecSep_0	
160-55036-56	24071452-057	Total/NA	Water	PrecSep_0	
160-55036-57	24071452-058	Total/NA	Water	PrecSep_0	
160-55036-58	24071452-059	Total/NA	Water	PrecSep_0	
160-55036-59	24071452-060	Total/NA	Water	PrecSep_0	
160-55036-60	24071452-061	Total/NA	Water	PrecSep_0	
MB 160-674950/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674950/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55036-48 DU	24071452-049	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

Job ID: 160-55036-1
SDG: 24071452

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)						
160-55036-1	24071452-001	86.7						
160-55036-2	24071452-003	84.8						
160-55036-3	24071452-004	88.7						
160-55036-4	24071452-005	91.6						
160-55036-5	24071452-006	88.2						
160-55036-6	24071452-007	76.9						
160-55036-7	24071452-008	92.9						
160-55036-8	24071452-009	82.3						
160-55036-9	24071452-010	88.7						
160-55036-10	24071452-011	87.5						
160-55036-11	24071452-012	84.0						
160-55036-11 DU	24071452-012	87.5						
160-55036-12	24071452-013	86.7						
160-55036-13	24071452-014	95.1						
160-55036-14	24071452-015	96.1						
160-55036-15	24071452-016	91.4						
160-55036-16	24071452-017	92.6						
160-55036-17	24071452-018	88.7						
160-55036-18	24071452-019	91.6						
160-55036-19	24071452-020	89.2						
160-55036-20	24071452-021	93.4						
160-55036-21	24071452-022	94.8						
160-55036-22	24071452-023	79.1						
160-55036-23	24071452-024	92.6						
160-55036-24	24071452-025	98.5						
160-55036-25	24071452-026	99.0						
160-55036-26	24071452-027	91.6						
160-55036-27	24071452-028	85.5						
160-55036-28	24071452-029	95.6						
160-55036-29	24071452-030	84.8						
160-55036-30	24071452-031	86.7						
160-55036-31	24071452-032	85.0						
160-55036-32	24071452-033	85.5						
160-55036-33	24071452-034	88.9						
160-55036-34	24071452-035	92.1						
160-55036-35	24071452-036	90.2						
160-55036-36	24071452-037	92.6						
160-55036-37	24071452-038	87.2						
160-55036-38	24071452-039	92.9						
160-55036-39	24071452-040	92.6						
160-55036-40	24071452-041	89.9						
160-55036-41	24071452-042	87.0						
160-55036-42	24071452-043	90.4						
160-55036-43	24071452-044	92.4						
160-55036-44	24071452-045	90.9						
160-55036-45	24071452-046	87.0						
160-55036-46	24071452-047	90.7						
160-55036-46 DU	24071452-047	95.3						
160-55036-47	24071452-048	87.2						

Tracer/Carrier Summary

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

Job ID: 160-55036-1
SDG: 24071452

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)
160-55036-48	24071452-049	84.5
160-55036-48 DU	24071452-049	89.4
160-55036-49	24071452-050	90.4
160-55036-50	24071452-051	93.6
160-55036-51	24071452-052	86.5
160-55036-52	24071452-053	86.5
160-55036-53	24071452-054	94.1
160-55036-54	24071452-055	94.1
160-55036-55	24071452-056	89.4
160-55036-56	24071452-057	102
160-55036-57	24071452-058	95.6
160-55036-58	24071452-059	90.9
160-55036-59	24071452-060	94.3
160-55036-60	24071452-061	84.5
LCS 160-674779/2-A	Lab Control Sample	91.9
LCS 160-674782/2-A	Lab Control Sample	92.1
LCS 160-674785/2-A	Lab Control Sample	93.9
LCS 160-674948/2-A	Lab Control Sample	93.4
MB 160-674779/1-A	Method Blank	98.5
MB 160-674782/1-A	Method Blank	84.8
MB 160-674785/1-A	Method Blank	96.1
MB 160-674948/1-A	Method Blank	94.6

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)	Y (30-110)
160-55036-1	24071452-001	86.7	78.1
160-55036-2	24071452-003	84.8	71.8
160-55036-3	24071452-004	88.7	75.5
160-55036-4	24071452-005	91.6	81.1
160-55036-5	24071452-006	88.2	90.5
160-55036-6	24071452-007	76.9	85.2
160-55036-7	24071452-008	92.9	75.9
160-55036-8	24071452-009	82.3	76.3
160-55036-9	24071452-010	88.7	81.9
160-55036-10	24071452-011	87.5	83.4
160-55036-11	24071452-012	84.0	80.0
160-55036-11 DU	24071452-012	87.5	84.5
160-55036-12	24071452-013	86.7	81.1
160-55036-13	24071452-014	95.1	81.5
160-55036-14	24071452-015	96.1	84.9
160-55036-15	24071452-016	91.4	80.7
160-55036-16	24071452-017	92.6	87.1
160-55036-17	24071452-018	88.7	88.6
160-55036-18	24071452-019	91.6	80.4

Tracer/Carrier Summary

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

Job ID: 160-55036-1
SDG: 24071452

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-55036-19	24071452-020	89.2	85.2
160-55036-20	24071452-021	93.4	84.5
160-55036-21	24071452-022	94.8	86.4
160-55036-22	24071452-023	79.1	82.6
160-55036-23	24071452-024	92.6	81.9
160-55036-24	24071452-025	98.5	83.4
160-55036-25	24071452-026	99.0	81.9
160-55036-26	24071452-027	91.6	82.2
160-55036-27	24071452-028	85.5	79.3
160-55036-28	24071452-029	95.6	81.1
160-55036-29	24071452-030	84.8	83.4
160-55036-30	24071452-031	86.7	84.5
160-55036-31	24071452-032	85.0	83.7
160-55036-32	24071452-033	85.5	81.5
160-55036-33	24071452-034	88.9	84.9
160-55036-34	24071452-035	92.1	84.5
160-55036-35	24071452-036	90.2	86.7
160-55036-36	24071452-037	92.6	83.7
160-55036-37	24071452-038	87.2	83.4
160-55036-38	24071452-039	92.9	83.4
160-55036-39	24071452-040	92.6	70.7
160-55036-40	24071452-041	89.9	68.0
160-55036-41	24071452-042	87.0	78.1
160-55036-42	24071452-043	90.4	78.9
160-55036-43	24071452-044	92.4	80.4
160-55036-44	24071452-045	90.9	84.5
160-55036-45	24071452-046	87.0	81.9
160-55036-46	24071452-047	90.7	85.6
160-55036-46 DU	24071452-047	95.3	84.9
160-55036-47	24071452-048	87.2	75.5
160-55036-48	24071452-049	84.5	60.9
160-55036-48 DU	24071452-049	89.4	72.5
160-55036-49	24071452-050	90.4	77.4
160-55036-50	24071452-051	93.6	66.2
160-55036-51	24071452-052	86.5	71.4
160-55036-52	24071452-053	86.5	70.3
160-55036-53	24071452-054	94.1	71.4
160-55036-54	24071452-055	94.1	76.6
160-55036-55	24071452-056	89.4	71.4
160-55036-56	24071452-057	102	74.8
160-55036-57	24071452-058	95.6	78.1
160-55036-58	24071452-059	90.9	68.4
160-55036-59	24071452-060	94.3	61.7
160-55036-60	24071452-061	84.5	60.6
LCS 160-674780/2-A	Lab Control Sample	91.9	85.2
LCS 160-674783/2-A	Lab Control Sample	92.1	86.0
LCS 160-674786/2-A	Lab Control Sample	93.9	75.1
LCS 160-674950/2-A	Lab Control Sample	93.4	84.1
MB 160-674780/1-A	Method Blank	98.5	85.6
MB 160-674783/1-A	Method Blank	84.8	88.6

Tracer/Carrier Summary

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

Job ID: 160-55036-1
SDG: 24071452

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)									
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)								
MB 160-674786/1-A	Method Blank	96.1	77.4								
MB 160-674950/1-A	Method Blank	94.6	82.6								

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

			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	AP2D	Groundwater Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	No
002	G1001	Groundwater Sample	76.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
003	G1003	Groundwater Sample	92.0	None	NE	Clear	Good	Good	Good	Yes	Yes
004	G101	Groundwater Sample	92.0	None	NE	Clear	Good	Good	Good	Yes	Yes
005	G102	Groundwater Sample	80.0	None	NE	Clear	Good	Good	Good	Yes	Yes
006	G103	Groundwater Sample	85.0	None	NE	Clear	Good	Good	Good	Yes	Yes
007	G105	Groundwater Sample	88.0	None	NE	Clear	Good	Good	Good	Yes	Yes
008	G106	Groundwater Sample	89.0	None	NE	Clear	Good	Good	Good	Yes	Yes
009	G107	Groundwater Sample	89.0	None	NE	Clear	Good	Good	Good	Yes	Yes
010	G108	Groundwater Sample	80.0	None	NE	Clear	Good	Good	Good	Yes	Yes
011	G109	Groundwater Sample	80.0	None	NE	Clear	Good	Good	Good	Yes	Yes
012	G110	Groundwater Sample	84.0	None	NE	Clear	Good	Good	Good	Yes	Yes
013	G111	Groundwater Sample	84.0	None	NE	Clear	Good	Good	Good	Yes	Yes
014	G119	Groundwater Sample	90.0	None	NE	Clear	Good	Good	Good	Yes	Yes
015	G120	Groundwater Sample	90.0	None	NE	Clear	Good	Good	Good	Yes	Yes
016	G121	Groundwater Sample	91.0	None	NE	Clear	Good	Good	Good	Yes	Yes
017	G122	Groundwater Sample	91.0	None	NE	Clear	Good	Good	Good	Yes	Yes
018	G123	Groundwater Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
019	G124	Groundwater Sample	92.0	None	NE	Clear	Good	Good	Good	Yes	Yes
020	G125	Groundwater Sample	92.0	None	NE	Clear	Good	Good	Good	Yes	Yes
021	G126	Groundwater Sample	86.0	None	NE	Clear	Good	Good	Good	Yes	Yes
022	G151	Groundwater Sample	82.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
023	G152	Groundwater Sample	92.0	None	NE	Clear	Good	Good	Good	Yes	Yes
024	G153	Groundwater Sample	88.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
025	G154	Groundwater Sample	87.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
026	G155	Groundwater Sample	85.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
027	G200	Groundwater Sample	90.0	None	NE	Clear	Good	Good	Good	Yes	Yes
028	G206	Groundwater Sample	90.0	None	N	Clear	Good	Good	Good	Yes	Yes
029	G206D	Groundwater Sample	90.0	None	N	Clear	Good	Good	Good	Yes	Yes
030	G207	Groundwater Sample	86.0	None	N	Clear	Good	Good	Good	Yes	Yes
031	G208	Groundwater Sample	83.0	None	N	Clear	Good	Good	Good	Yes	Yes
032	G209	Groundwater Sample	85.0	None	N	Clear	Good	Good	Good	Yes	Yes
033	G210	Groundwater Sample	85.0	None	N	Clear	Good	Good	Good	Yes	Yes
034	G211	Groundwater Sample	80.0	None	NE	Clear	Good	Good	Good	Yes	Yes
035	G212	Groundwater Sample	82.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

			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	G213	Groundwater Sample	82.0	Light	E	Cloudy	Good	Good	Good	Yes	Yes
037	G214	Groundwater Sample	89.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
038	G215	Groundwater Sample	88.0	None	E	Clear	Good	Good	Good	Yes	Yes
039	G216	Groundwater Sample	88.0	None	E	Clear	Good	Good	Good	Yes	Yes
040	G217	Groundwater Sample	83.0	None	SE	Clear	Good	Good	Good	Yes	Yes
041	G218	Groundwater Sample	82.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
042	G219	Groundwater Sample	84.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
043	G220	Groundwater Sample	67.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
044	G270	Groundwater Sample	67.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
045	G271	Groundwater Sample	85.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
046	G272	Groundwater Sample	84.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
047	G273	Groundwater Sample	85.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
048	G274	Groundwater Sample	90.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
049	G275	Groundwater Sample	86.0	None	NE	Clear	Good	Good	Good	Yes	Yes
050	G275D	Groundwater Sample	85.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
051	G276	Groundwater Sample	85.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
052	G277	Groundwater Sample	88.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
053	G278	Groundwater Sample	90.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
054	G279	Groundwater Sample	86.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
055	G280	Groundwater Sample	86.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
056	G281	Groundwater Sample	83.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
057	G283	Groundwater Sample	68.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
058	G284	Groundwater Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
059	G285	Groundwater Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
060	G301	Groundwater Sample	85.0	None	NE	Clear	Good	Good	Good	Yes	Yes
061	G302	Groundwater Sample	92.0	None	NE	Clear	Good	Good	Good	Yes	Yes
062	G303	Groundwater Sample	83.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
063	G305	Groundwater Sample	79.0	Light	E	Partly cloudy	Good	Good	Good	Yes	Yes
064	G306	Groundwater Sample	78.0	None	E	Clear	Good	Good	Good	Yes	Yes
065	G307	Groundwater Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
066	G307D	Groundwater Sample	79.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
067	G308	Groundwater Sample	80.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
068	G310	Groundwater Sample	80.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
069	G312	Groundwater Sample	93.0	None	NE	Clear	Good	Good	Good	Yes	Yes
070	G313	Groundwater Sample	81.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

			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	G314	Groundwater Sample	81.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
072	G314D	Groundwater Sample	86.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
073	G315	Groundwater Sample	84.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
074	G316	Groundwater Sample	86.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
075	G401	Groundwater Sample	74.0	None	NW	Clear	Good	Good	Good	Yes	Yes
076	G402	Groundwater Sample	88.0	None	NW	Partly cloudy	Good	Good	Good	Yes	Yes
077	G403	Groundwater Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
078	G404	Groundwater Sample	87.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
079	G405	Groundwater Sample	89.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
080	G406	Groundwater Sample	81.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
081	G407	Groundwater Sample	82.0	Light	E	Partly cloudy	Good	Good	Good	Yes	Yes
082	G410	Groundwater Sample	75.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
083	G411	Groundwater Sample	76.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
084	L201	Leachate Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
085	L202	Leachate Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
086	L203	Leachate Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
087	NE Riser	Leachate Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
088	R104	Groundwater Sample	87.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
089	R201	Groundwater Sample	91.0	None	NE	Clear	Good	Good	Good	Yes	Yes
090	R205	Groundwater Sample	89.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
091	SG-02	DTW Only	90.0	None	NE	Clear					
092	SG-03	DTW Only	90.0	None	NE	Clear					
093	T127	Groundwater Sample	87.0	None	NE	Clear	Good	Good	Good	Yes	Yes
094	T128	Groundwater Sample	89.0	None	NE	Clear	Good	Good	Good	Yes	Yes
095	X201	Leachate Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
096	XSG-01	DTW Only	90.0	None	NE	Clear					
097	Field Blank	QA/QC Sample	67.0	None	SW	Cloudy					
098	G102 Duplicate	QA/QC Sample	80.0	None	NE	Clear	Good	Good	Good	Yes	Yes
099	G200 Duplicate	QA/QC Sample	90.0	None	NE	Clear	Good	Good	Good	Yes	Yes
100	G217 Duplicate	QA/QC Sample	83.0	None	SE	Clear	Good	Good	Good	Yes	Yes
101	G301 Duplicate	QA/QC Sample	85.0	None	NE	Clear	Good	Good	Good	Yes	Yes
102	R201 Duplicate	QA/QC Sample	91.0	None	NE	Clear	Good	Good	Good	Yes	Yes
103	G111	Groundwater Sample	89.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
103	Equipment Blank 1	QA/QC Sample									

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

		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/Sampling Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	AP2D	TAC	8/7/24 9:05	20.80	35.43	TAC	8/7/2024	09:12	09:40	Peristaltic Pump	4"	5.0	178.6
002	G1001	BG	8/2/24 10:02	6.08	13.79	BG	8/2/2024	10:02	10:26	Peristaltic Pump	2"	3.5	145.8
003	G1003	PY	8/5/24 13:40	10.92	11.15								
004	G101	JC	8/5/24 14:24	6.58	24.30	JC	8/5/2024	14:25	14:37	Bladder Pump	2"	2.5	208.3
005	G102	JC	8/6/24 8:59	5.93	20.00	JC	8/6/2024	09:00	09:13	Bladder Pump	2"	2.5	192.3
006	G103	JC	8/6/24 9:58	10.68	26.90	JC	8/6/2024	09:58	10:14	Bladder Pump	2"	3.0	187.5
007	G105	JC	8/6/24 10:49	9.16	27.70	JC	8/6/2024	10:49	11:01	Bladder Pump	2"	2.0	166.7
008	G106	JC	8/6/24 11:06	10.55	25.60	JC	8/6/2024	11:06	11:22	Bladder Pump	2"	3.0	187.5
009	G107	JC	8/6/24 11:25	11.23	22.70	JC	8/6/2024	11:25	11:44	Bladder Pump	2"	4.0	210.5
010	G108	JC	8/5/24 9:10	12.03	26.60	JC	8/5/2024	09:11	09:31	Bladder Pump	2"	3.0	150.0
011	G109	JC	8/5/24 9:35	12.40	26.30	JC	8/5/2024	09:36	09:51	Bladder Pump	2"	2.5	166.7
012	G110	JC	8/5/24 9:55	13.18	27.50	JC	8/5/2024	09:56	10:09	Bladder Pump	2"	2.5	192.3
013	G111	JC	8/5/24 10:13	14.22	24.30	JC	8/5/2024	10:13	10:28	Bladder Pump	2"	2.5	166.7
014	G119	JC	8/5/24 11:52	15.53	27.40	JC	8/5/2024	11:52	12:15	Bladder Pump	2"	4.0	173.9
015	G120	JC	8/5/24 12:19	16.04	26.70	JC	8/5/2024	12:19	12:42	Bladder Pump	2"	4.5	195.7
016	G121	JC	8/5/24 12:46	17.80	29.10	JC	8/5/2024	12:46	12:58	Bladder Pump	2"	2.5	208.3
017	G122	JC	8/5/24 13:01	18.06	26.50	JC	8/5/2024	13:01	13:13	Bladder Pump	2"	2.5	208.3
018	G123	PY	8/7/24 15:03	15.21	30.90	TAC	8/7/2024	15:05	15:32	Peristaltic Pump	2"	6.0	222.2
019	G124	JC	8/5/24 13:40	16.36	26.70	JC	8/5/2024	13:40	13:58	Bladder Pump	2"	3.5	194.4
020	G125	JC	8/5/24 14:02	16.29	26.70	JC	8/5/2024	14:02	14:20	Bladder Pump	2"	3.5	194.4
021	G126	JC	8/5/24 10:31	10.49	20.40	JC	8/5/2024	10:31	10:45	Bladder Pump	2"	2.0	142.9
022	G151	JC	8/1/24 11:29	11.74	23.60	JC	8/1/2024	11:29	11:48	Bladder Pump	2"	4.0	210.5
023	G152	TAC	8/5/24 14:23	11.52	22.00	TAC	8/5/2024	14:23	15:16	Peristaltic Pump	2"	14.0	264.2
024	G153	JC	8/1/24 13:38	13.21	23.90	JC	8/1/2024	13:39	13:55	Bladder Pump	2"	3.5	218.8
025	G154	JC	8/1/24 12:53	13.40	22.80	JC	8/1/2024	12:53	13:09	Bladder Pump	2"	3.0	187.5
026	G155	JC	8/1/24 12:11	12.81	26.20	JC	8/1/2024	12:12	12:36	Bladder Pump	2"	5.0	208.3
027	G200	JC	8/6/24 11:59	4.51	20.70	JC	8/6/2024	12:01	12:16	Peristaltic Pump	2"	2.0	133.3
028	G206	BG	7/30/24 13:18	18.13	26.30	BG	7/30/2024	13:18	13:36	Bladder Pump	2"	3.5	194.4
029	G206D	BG	7/30/24 12:42	26.95	62.12	BG	7/30/2024	12:42	13:06	Bladder Pump	2"	3.0	125.0
030	G207	BG	7/30/24 12:08	13.76	26.60	BG	7/30/2024	12:08	12:25	Peristaltic Pump	2"	3.0	176.5
031	G208	BG	7/30/24 9:47	12.18	26.60	BG	7/30/2024	09:47	10:16	Bladder Pump	2"	2.5	86.2
032	G209	BG	7/30/24 10:31	11.75	25.50	BG	7/30/2024	09:47	11:09	Bladder Pump	2"	4.0	48.8
033	G210	BG	7/30/24 11:25	11.89	25.00	BG	7/30/2024	11:25	11:47	Bladder Pump	2"	5.0	227.3
034	G211	BG	8/1/24 9:12	12.47	26.30	BG	8/1/2024	09:12	09:46	Bladder Pump	2"	5.0	147.1
035	G212	bg	8/1/24 9:58	13.53	82.00	BG	8/1/2024	09:58	10:19	Bladder Pump	2"	3.5	166.7

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

		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/Sampling Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
036	G213	BG	8/1/24 10:39	14.52	82.00	BG	8/1/2024	10:39	11:15	Bladder Pump	2"	4.5	125.0
037	G214	PY	8/6/24 11:52	16.50	26.50	PY	8/6/2024	11:52	12:18	Bladder Pump	2"	6.0	230.8
038	G215	PY	8/6/24 10:59	15.84	26.90	PY	8/6/2024	10:59	11:19	Bladder Pump	2"	3.0	150.0
039	G216	PY	8/6/24 10:18	15.04	28.50	PY	8/6/2024	10:18	10:37	Bladder Pump	2"	4.5	236.8
040	G217	PY	8/6/24 8:57	16.42	28.40	PY	8/6/2024	08:59	09:39	Bladder Pump	2"	14.0	350.0
041	G218	BG	7/31/24 9:27	14.71	28.50	BG	7/31/2024	09:27	10:03	Bladder Pump	2"	4.0	111.1
042	G219	BG	7/31/24 10:31	7.55	18.53	BG	7/31/2024	10:31	11:16	Peristaltic Pump	2"	6.0	133.3
043	G220	DC	8/7/24 12:40	14.18	27.52	DC	8/7/2024	12:45	13:03	Peristaltic Pump	2"	2.0	111.1
044	G270	DC	8/7/24 9:58	7.59	20.40	TAC	8/7/2024	10:05	10:29	Bladder Pump	2"	3.0	125.0
045	G271	JC	7/31/24 11:02	10.93	18.70	JC	7/31/2024	11:03	11:24	Bladder Pump	2"	4.0	190.5
046	G272	JC	7/31/24 10:25	11.02	17.40	JC	7/31/2024	10:25	10:43	Bladder Pump	2"	3.0	166.7
047	G273	JC	7/31/24 9:46	10.87	18.90	JC	7/31/2024	09:48	10:02	Bladder Pump	2"	2.5	178.6
048	G274	JC	7/30/24 13:31	14.20	20.40	JC	7/30/2024	13:31	13:51	Bladder Pump	2"	3.0	150.0
049	G275	BG	8/1/24 12:17	13.29	15.30	BG	8/1/2024	12:15	12:27	Bladder Pump	2"	2.0	166.7
050	G275D	BG	8/1/24 11:45	39.67	62.70	BG	8/1/2024	11:45	12:14	Bladder Pump	2"	3.5	120.7
051	G276	BG	7/31/24 11:45	27.79	30.90	BG	7/31/2024	11:45	12:33	Peristaltic Pump	2"	2.5	52.1
052	G277	JC	7/30/24 12:22	19.99	22.30	JC	7/30/2024	12:20	12:39	Bladder Pump	2"	2.5	131.6
053	G278	BG	7/31/24 12:45	23.03	26.40	BG	7/31/2024	12:45	13:13	Bladder Pump	2"	3.0	107.1
054	G279	JC	7/30/24 10:40	23.89	30.80	JC	7/30/2024	10:40	10:56	Bladder Pump	2"	3.0	187.5
055	G280	JC	7/30/24 11:25	5.49	20.20	JC	7/30/2024	11:25	11:50	Bladder Pump	2"	5.0	200.0
056	G281	JC	7/30/24 9:44	6.21	22.80	JC	7/30/2024	09:48	10:13	Bladder Pump	2"	4.0	160.0
057	G283	TAC	8/7/24 13:29	5.46	20.80	TAC	8/7/2024	13:29	13:52	Bladder Pump	2"	4.5	195.7
058	G284	DC	8/7/24 10:48	11.04	16.30	TAC	8/7/2024	10:49	11:25	Bladder Pump	2"	6.0	166.7
059	G285	DC	8/7/24 11:44	4.96	26.80	TAC	8/7/2024	11:45	12:03	Bladder Pump	2"	2.0	111.1
060	G301	PY	8/5/24 9:57	8.03	18.60	PY	8/5/2024	10:05	10:36	Peristaltic Pump	2"	4.5	145.2
061	G302	PY	8/5/24 11:19	11.96	20.50	PY	8/5/2024	11:19	11:43	Bladder Pump	2"	4.5	187.5
062	G303	PY	7/31/24 13:17	6.81	23.30	TAC	7/31/2024	13:17	13:49	Bladder Pump	2"	6.0	187.5
063	G305	PY	8/1/24 10:05	8.22	21.50	TAC	8/1/2024	10:06	10:28	Bladder Pump	2"	3.0	136.4
064	G306	PY	8/1/24 8:55	7.22	20.90	TAC	8/1/2024	08:56	09:44	Bladder Pump	2"	11.0	229.2
065	G307	TAC	8/1/24 11:51	0.89	20.60	TAC	8/1/2024	11:51	12:13	Peristaltic Pump	2"	6.0	272.7
066	G307D	PY	8/1/24 11:05	6.34	62.00	TAC	8/1/2024	11:06	11:41	Bladder Pump	2"	6.5	185.7
067	G308	PY	8/1/24 12:37	5.02	18.20	TAC	8/1/2024	12:39	12:56	Bladder Pump	2"	3.0	176.5
068	G310	PY	8/1/24 13:26	9.56	18.40	TAC	8/1/2024	13:27	13:47	Bladder Pump	2"	4.0	200.0
069	G312	PY	8/5/24 12:08	13.75	17.80	PY	8/5/2024	12:09	12:55	Bladder Pump	2"	8.5	184.8
070	G313	PY	7/31/24 12:24	2.93	14.30	TAC	7/31/2024	12:25	12:53	Bladder Pump	2"	4.5	160.7

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

		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/Sampling Device**	**Well Diameter (in)**	**Actual Volume Purged (L)**	**Purge Rate (mL/min)**
071	G314	PY	7/31/24 11:22	4.49	22.80	TAC	7/31/2024	11:22	11:48	Bladder Pump	2"	4.5	173.1
072	G314D	PY	7/31/24 10:16	6.79	52.30	TAC	7/31/2024	10:16	10:52	Bladder Pump	2"	4.5	125.0
073	G315	PY	7/31/24 14:14	2.64	17.40	TAC	7/31/2024	14:16	14:38	Bladder Pump	2"	3.5	159.1
074	G316	PY	7/31/24 9:26	11.51	18.10	TAC	7/31/2024	09:34	09:53	Bladder Pump	2"	4.0	210.5
075	G401	BG	8/2/24 9:01	21.72	21.80	BG	8/2/2024	09:01	09:24	Bladder Pump	2"	1.5	65.2
076	G402	BG	8/1/24 13:50	10.86	23.40	BG	8/1/2024	13:50	14:16	Bladder Pump	2"	4.0	153.8
077	G403	JC	8/1/24 8:56	6.50	20.80	JC	8/1/2024	08:58	09:16	Bladder Pump	2"	3.0	166.7
078	G404	JC	7/31/24 12:06	4.40	14.10	JC	7/31/2024	12:06	12:19	Bladder Pump	2"	2.5	192.3
079	G405	JC	7/31/24 12:44	5.66	16.40	JC	7/31/2024	12:44	12:57	Bladder Pump	2"	2.5	192.3
080	G406	JC	8/1/24 9:44	10.81	22.30	JC	8/1/2024	09:44	10:00	Bladder Pump	2"	3.0	187.5
081	G407	JC	8/1/24 10:33	5.35	23.00	JC	8/1/2024	10:33	10:51	Bladder Pump	2"	3.0	166.7
082	G410	JC	8/2/24 8:57	8.69	16.70	JC	8/2/2024	08:59	09:12	Bladder Pump	2"	2.5	192.3
083	G411	JC	8/2/24 9:48	7.53	19.20	JC	8/2/2024	09:48	10:02	Bladder Pump	2"	2.5	178.6
084	L201	TAC	8/7/24 14:12	17.00	-	TAC	8/7/2024	14:14	14:15	Direct Grab		-	-
085	L202	TAC	8/7/24 14:18	20.00	-	TAC	8/7/2024	14:18	14:20	Direct Grab		-	-
086	L203	TAC	8/7/24 14:22	16.30	-	TAC	8/7/2024	14:22	14:24	Direct Grab		-	-
087	NE Riser	TAC	8/7/24 14:32	16.69		TAC	8/7/2024	14:32	14:35	Bladder Pump			
088	R104	JC	8/6/24 10:24	8.50	22.70	JC	8/6/2024	10:24	10:37	Bladder Pump	2"	3.0	230.8
089	R201	JC	8/6/24 12:38	4.40	22.20	JC	8/6/2024	12:40	13:04	Peristaltic Pump	2"	4.5	187.5
090	R205	PY	8/6/24 12:39	8.23	19.00	PY	8/6/2024	12:39	13:06	Bladder Pump	2"	10.0	370.4
091	SG-02	TAC	7/30/24 10:24	7.13	-								
092	SG-03	TAC	7/30/24 12:50	8.69	-								
093	T127	JC	8/5/24 10:52	14.98	21.28	JC	8/5/2024	10:56	11:28	Peristaltic Pump	2"	5.0	156.3
094	T128	JC	8/5/24 11:33	14.69	28.70	JC	8/5/2024	11:33	11:49	Bladder Pump	2"	3.0	187.5
095	X201	DC	8/7/24 14:42	21.28	-	DC	8/7/2024	14:40	14:45	Direct Grab			
096	XSG-01	TAC	7/30/24 11:58	6.33	-								
097	Field Blank	-	-	-	-	DC	-	-	-	Direct Grab		-	-
098	G102 Duplicate	JC	8/6/24 8:59	5.93	20.00	JC	8/6/2024	09:00	09:13	Bladder Pump	2"	2.5	192.3
099	G200 Duplicate	JC	8/6/24 11:59	4.51	20.70	JC	8/6/2024	12:01	12:16	Peristaltic Pump	2"	2.0	133.3
100	G217 Duplicate	PY	8/6/24 8:57	16.42	28.40	PY	8/6/2024	08:59	09:39	Bladder Pump	2"	14.0	350.0
101	G301 Duplicate	PY	8/5/24 9:57	8.03	18.60	PY	8/5/2024	10:05	10:36	Peristaltic Pump	2"	4.5	145.2
102	R201 Duplicate	JC	8/6/24 12:38	4.40	22.20	JC	8/6/2024	12:40	13:04	Peristaltic Pump	2"	4.5	187.5
103	G111	JC	8/6/24 9:30	14.26	24.30	JC	8/6/2024	09:30	09:45	Bladder Pump	2"	2.5	166.7
103	Equipment Blank 1												

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	AP2D	TAC	08/07/24	09:40	Low Flow	223344	No	Clear	None	None	20.91	0.11
002	G1001	BG	08/02/24	10:26	Low Flow	45985	Yes	Clear	None	CLEAR	6.91	0.83
003	G1003											
004	G101	JC	08/05/24	14:37	Low Flow	218074	Yes	Clear	None	none	6.58	0
005	G102	JC	08/06/24	09:13	Low Flow	218074	Yes	Clear	None	none	6.00	0.07
006	G103	JC	08/06/24	10:14	Low Flow	218074	Yes	Clear	None	none	10.68	0
007	G105	JC	08/06/24	11:01	Low Flow	218074	Yes	Clear	Strong	none	9.16	0
008	G106	JC	08/06/24	11:22	Low Flow	218074	Yes	Clear	None	none	10.55	0
009	G107	JC	08/06/24	11:44	Low Flow	218074	Yes	Clear	None	none	11.23	0
010	G108	JC	08/05/24	09:31	Low Flow	218074	Yes	Clear	None	none	12.03	0
011	G109	JC	08/05/24	09:51	Low Flow	218074	Yes	Clear	None	none	12.40	0
012	G110	JC	08/05/24	10:09	Low Flow	218074	Yes	Clear	None	none	13.18	0
013	G111	JC	08/05/24	10:28	Low Flow	218074	Yes	Clear	None	none	14.22	0
014	G119	JC	08/05/24	12:15	Low Flow	218074	Yes	Clear	None	none	15.53	0
015	G120	JC	08/05/24	12:42	Low Flow	218074	Yes	Clear	None	none	16.04	0
016	G121	JC	08/05/24	12:58	Low Flow	218074	Yes	Clear	None	none	17.80	0
017	G122	JC	08/05/24	13:13	Low Flow	218074	Yes	Clear	None	none	18.06	0
018	G123	TAC	08/07/24	15:32	Low Flow	223344	Yes	Clear	None	None	15.79	0.58
019	G124	JC	08/05/24	13:58	Low Flow	218074	Yes	Clear	None	none	16.36	0
020	G125	JC	08/05/24	14:20	Low Flow	218074	Yes	Clear	None	none	16.29	0
021	G126	JC	08/05/24	10:45	Low Flow	218074	Yes	Clear	None	none	10.49	0
022	G151	JC	08/01/24	11:48	Low Flow	218074	Yes	Clear	None	none	11.78	0.04
023	G152	TAC	08/05/24	15:16	Low Flow	223344	Yes	Clear	None	None		
024	G153	JC	08/01/24	13:55	Low Flow	218074	Yes	Clear	None	none	13.68	0.47
025	G154	JC	08/01/24	13:09	Low Flow	218074	Yes	Clear	None	none	13.54	0.14
026	G155	JC	08/01/24	12:36	Low Flow	218074	Yes	Clear	None	none	14.03	1.22
027	G200	JC	08/06/24	12:16	Low Flow	218074	Yes	Clear	None	none	4.51	0
028	G206	BG	07/30/24	13:36	Low Flow	45985	Yes	Clear	Moderate	CLEAR	18.94	0.81
029	G206D	BG	07/30/24	13:06	Low Flow	45985	No	Clear	None	CLEAR	27.37	0.42
030	G207	BG	07/30/24	12:25	Low Flow	45985	Yes	Clear	None	CLEAR	14.03	0.27
031	G208	BG	07/30/24	10:16	Low Flow	45985	Yes	Clear	None	CLEAR	12.20	0.02
032	G209	BG	07/30/24	11:09	Low Flow	45985	Yes	Clear	None	cLEAR	12.87	1.12
033	G210	BG	07/30/24	11:47	Low Flow	45985	Yes	Clear	None	CLEAR	12.92	1.03
034	G211	bg	08/01/24	09:46	Low Flow	45985	Yes	Clear	None	clear	13.17	0.7
035	G212	BG	08/01/24	10:19	Low Flow	45985	Yes	Clear	None	CLEAR	13.88	0.35

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
036	G213	BG	08/01/24	11:15	Low Flow	45985	Yes	Clear	None	CLEAR	15.73	1.21
037	G214	TAC	08/06/24	12:18	Low Flow	223344	Yes	Clear	None	None	17.94	1.44
038	G215	TAC	08/06/24	11:19	Low Flow	223344	Yes	Clear	None	None	16.42	0.58
039	G216	TAC	08/06/24	10:37	Low Flow	223344	Yes	Clear	None	None	15.99	0.95
040	G217	TAC	08/06/24	09:39	Low Flow	223344	Yes	Clear	None	None	17.39	0.97
041	G218	BG	07/31/24	10:03	Low Flow	45985	Yes	Clear	Slight	CLEAR	15.17	0.46
042	G219	BG	07/31/24	11:16	Low Flow	45985	Yes	Slightly cloudy	Slight	clear	8.56	1.01
043	G220	TAC	08/07/24	13:03	Low Flow	223344	Yes	Clear	None	None	14.44	0.26
044	G270	TAC	08/07/24	10:29	Low Flow	223344	Yes	Clear	None	None	7.99	0.4
045	G271	JC	07/31/24	11:24	Low Flow	218074	Yes	Clear	None	none	11.04	0.11
046	G272	JC	07/31/24	10:43	Low Flow	218074	Yes	Clear	None	none	11.11	0.09
047	G273	JC	07/31/24	10:02	Low Flow	218074	Yes	Clear	Slight	none	10.96	0.09
048	G274	JC	07/30/24	13:51	Low Flow	218074	Yes	Clear	None	none	14.44	0.24
049	G275	BG	08/01/24	12:27	Low Flow	45985	Yes	Slightly cloudy	None	CLEAR	dry	#VALUE!
050	G275D	BG	08/01/24	12:14	Low Flow	45985	No	Clear	None	CLEAR	40.30	0.63
051	G276	BG	07/31/24	12:33	Low Flow	45985	Yes	Clear	None	CLEAR	DRY	#VALUE!
052	G277	JC	07/30/24	12:39	Low Flow	218074	Yes	Clear	None	none	19.99	0
053	G278	BG	07/31/24	13:13	Low Flow	45985	No	Clear	None	CLEAR	25.04	2.01
054	G279	JC	07/30/24	10:56	Low Flow	218074	Yes	Clear	None	none	24.09	0.2
055	G280	JC	07/30/24	11:50	Low Flow	218074	Yes	Clear	None	none	5.84	0.35
056	G281	JC	07/30/24	10:13	Low Flow	218074	Yes	Clear	None	none	6.42	0.21
057	G283	TAC	08/07/24	13:52	Low Flow	223344	No	Clear	None	None	6.31	0.85
058	G284	TAC	08/07/24	11:25	Low Flow	223344	No	Clear	None	None	11.82	0.78
059	G285	TAC	08/07/24	12:03	Low Flow	223344	No	Clear	Moderate	None	7.35	2.39
060	G301	TAC	08/05/24	10:36	Low Flow	223344	No	Clear	None	None	9.34	1.31
061	G302	TAC	08/05/24	11:43	Low Flow	223344	No	Clear	Strong	None	12.80	0.84
062	G303	TAC	07/31/24	13:49	Low Flow	223344	No	Clear	None	None	8.82	2.01
063	G305	TAC	08/01/24	10:28	Low Flow	223344	No	Clear	None	None	8.38	0.16
064	G306	TAC	08/01/24	09:44	Low Flow	223344	No	Clear	None	None	10.06	2.84
065	G307	TAC	08/01/24	12:13	Low Flow	223344	No	Clear	None	None	1.05	0.16
066	G307D	TAC	08/01/24	11:41	Low Flow	223344	No	Clear	None	None	15.74	9.4
067	G308	TAC	08/01/24	12:56	Low Flow	223344	No	Clear	None	None	5.63	0.61
068	G310	TAC	08/01/24	13:47	Low Flow	223344	No	Clear	None	None	9.79	0.23
069	G312	TAC	08/05/24	12:55	Low Flow	223344	No	Clear	None	None	14.22	0.47
070	G313	TAC	07/31/24	12:53	Low Flow	223344	No	Clear	None	None	3.35	0.42

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
071	G314	TAC	07/31/24	11:48	Low Flow	223344	No	Clear	None	None	9.79	5.3
072	G314D	TAC	07/31/24	10:52	Low Flow	223344	No	Clear	None	None	14.62	7.83
073	G315	TAC	07/31/24	14:38	Low Flow	223344	No	Clear	None	None	3.09	0.45
074	G316	TAC	07/31/24	09:53	Low Flow	223344	No	Clear	None	None	12.46	0.95
075	G401	BG	08/02/24	09:24	Low Flow	45985	Yes	Slightly cloudy	None	none	21.72	0
076	G402	BG	08/01/24	14:16	Low Flow	45985	Yes	Slightly cloudy	Slight	NONE	11.34	0.48
077	G403	JC	08/01/24	09:16	Low Flow	218074	Yes	Clear	None	none	6.76	0.26
078	G404	JC	07/31/24	12:19	Low Flow	218074	Yes	Clear	None	none	4.45	0.05
079	G405	JC	07/31/24	12:57	Low Flow	218074	Yes	Clear	None	none	5.97	0.31
080	G406	JC	08/01/24	10:00	Low Flow	218074	Yes	Clear	None	none	10.97	0.16
081	G407	JC	08/01/24	10:51	Low Flow	218074	Yes	Clear	None	none	5.39	0.04
082	G410	JC	08/02/24	09:12	Low Flow	218074	Yes	Clear	None	none	8.69	0
083	G411	JC	08/02/24	10:02	Low Flow	218074	Yes	Clear	None	none	7.53	0
084	L201	TAC	08/07/24	14:15	Direct Sample	223344	No	Clear	Slight	None	14.90	-2.1
085	L202	TAC	08/07/24	14:20	Direct Sample	223344	No	Cloudy	Slight	Light brown	18.20	-1.8
086	L203	TAC	08/07/24	14:24	Direct Sample	223344	No	Clear	None	None	14.10	-2.2
087	NE Riser	TAC	08/07/24	14:35	Direct Sample	223344	No	Clear	None	None	16.69	0
088	R104	JC	08/06/24	10:37	Low Flow	218074	Yes	Clear	None	none	8.50	0
089	R201	JC	08/06/24	13:04	Low Flow	218074	Yes	Clear	None	none	4.40	0
090	R205	TAC	08/06/24	13:06	Low Flow	223344	Yes	Clear	None	None	8.99	0.76
091	SG-02											
092	SG-03											
093	T127	JC	08/05/24	11:28	Low Flow	218074	Yes	Clear	None	none	14.98	0
094	T128	JC	08/05/24	11:49	Low Flow	218074	Yes	Clear	None	none	14.69	0
095	X201	TAC	08/07/24	14:45	Direct Sample	223344	No				21.28	0
096	XSG-01											
097	Field Blank	DC	08/07/24	14:49	Direct Sample	-	No					
098	G102 Duplicate	JC	08/06/24	09:13	Low Flow	218074	Yes	Clear	None	none	6.00	0.07
099	G200 Duplicate	JC	08/06/24	12:16	Low Flow	218074	Yes	Clear	None	none	4.51	0
100	G217 Duplicate	TAC	08/06/24	09:39	Low Flow	223344	Yes	Clear	None	None	17.39	0.97
101	G301 Duplicate	TAC	08/05/24	10:36	Low Flow	223344	No	Clear	None	None	9.34	1.31
102	R201 Duplicate	JC	08/06/24	13:04	Low Flow	218074	Yes	Clear	None	none	4.40	0
103	G111	JC	08/06/24	09:45	Low Flow	218074	Yes	Clear	None	none	14.27	0.01
103	Equipment Blank 1											

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

WO Sample	Well ID	COMMENTS
001	AP2D	
002	G1001	
003	G1003	Dry; no sample
004	G101	
005	G102	
006	G103	
007	G105	
008	G106	
009	G107	
010	G108	
011	G109	
012	G110	
013	G111	
014	G119	
015	G120	
016	G121	
017	G122	
018	G123	
019	G124	
020	G125	
021	G126	
022	G151	
023	G152	
024	G153	
025	G154	
026	G155	
027	G200	
028	G206	
029	G206D	
030	G207	
031	G208	
032	G209	
033	G210	
034	G211	
035	G212	

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

WO Sample	Well ID	COMMENTS
036	G213	
037	G214	
038	G215	
039	G216	
040	G217	
041	G218	
042	G219	
043	G220	
044	G270	Bladder pump repaired in field (check ball).
045	G271	
046	G272	
047	G273	
048	G274	
049	G275	
050	G275D	
051	G276	
052	G277	
053	G278	Filter in lab.
054	G279	
055	G280	
056	G281	
057	G283	Need a clear path to get to well.
058	G284	
059	G285	
060	G301	
061	G302	
062	G303	
063	G305	
064	G306	
065	G307	
066	G307D	
067	G308	
068	G310	
069	G312	14.22 top of pump. Water level below it.
070	G313	

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

WO Sample	Well ID	COMMENTS
071	G314	
072	G314D	Bubbles in sample line
073	G315	
074	G316	
075	G401	DTW is T.O.P.
076	G402	
077	G403	
078	G404	
079	G405	
080	G406	
081	G407	
082	G410	
083	G411	
084	L201	
085	L202	
086	L203	
087	NE Riser	
088	R104	
089	R201	
090	R205	
091	SG-02	
092	SG-03	
093	T127	
094	T128	
095	X201	
096	XSG-01	
097	Field Blank	
098	G102 Duplicate	
099	G200 Duplicate	
100	G217 Duplicate	
101	G301 Duplicate	
102	R201 Duplicate	
103	G111	
103	Equipment Blank 1	No non-dedicated sample pumps used.

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameter Summary
Coffeen- 3Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
AP2D	8/7/2024	09:40	17.5	63.5	6.72	1,495.5	0.90	173.84	-29.0	20.80	24071451-001A
G1001	8/2/2024	10:26	20.8	69.4	6.99	1,077.2	2.36	3.54	-20.3	6.08	24071451-002A
G1003	8/5/2024		Dry; no sample							10.92	24071451-003A
G101	8/5/2024	14:37	16.7	62.0	7.29	854.6	1.05	29.42	-14.2	6.58	24071451-004A
G102	8/6/2024	09:13	17.7	63.8	7.22	537.1	1.99	26.31	201.2	5.93	24071451-005A
G103	8/6/2024	10:14	19.3	66.8	7.06	909.6	1.22	15.97	199.1	10.68	24071451-006A
G105	8/6/2024	11:01	20.1	68.2	7.15	877.7	0.62	8.12	-285.8	9.16	24071451-007A
G106	8/6/2024	11:22	20.0	67.9	7.05	919.0	1.19	5.52	-187.3	10.55	24071451-008A
G107	8/6/2024	11:44	18.5	65.3	7.18	787.6	2.60	53.78	-154.4	11.23	24071451-009A
G108	8/5/2024	09:31	21.5	70.6	7.13	795.7	1.16	20.94	229.8	12.03	24071451-010A
G109	8/5/2024	09:51	19.1	66.4	7.02	993.1	0.80	40.30	-16.8	12.40	24071451-011A
G110	8/5/2024	10:09	18.9	65.9	6.89	945.6	0.75	16.13	19.7	13.18	24071451-012A
G111	8/5/2024	10:28	19.5	67.1	7.07	948.9	0.99	5.46	29.6	14.22	24071451-013A
G119	8/5/2024	12:15	17.6	63.6	7.20	743.9	1.28	9.83	-23.3	15.53	24071451-014A
G120	8/5/2024	12:42	18.1	64.7	7.07	913.6	5.74	36.15	60.2	16.04	24071451-015A
G121	8/5/2024	12:58	17.6	63.7	6.97	1,000.5	3.60	7.83	78.6	17.80	24071451-016A
G122	8/5/2024	13:13	17.5	63.5	6.80	1,167.7	1.80	5.12	84.2	18.06	24071451-017A
G123	8/7/2024	15:32	16.6	62.0	6.89	752.5	1.01	44.81	102.3	15.21	24071451-018A
G124	8/5/2024	13:58	16.7	62.1	7.06	922.8	2.19	43.13	114.0	16.36	24071451-019A
G125	8/5/2024	14:20	17.6	63.7	7.09	932.8	1.16	9.85	-41.0	16.29	24071451-020A
G126	8/5/2024	10:45	19.0	66.1	7.10	852.4	1.12	2.32	-114.6	10.49	24071451-021A
G151	8/1/2024	11:48	17.5	63.6	7.23	914.7	1.52	28.58	-74.9	11.74	24071451-022A
G152	8/5/2024	15:16	19.3	66.7	7.04	659.5	1.86	7.49	-18.7	11.52	24071451-023A
G153	8/1/2024	13:55	16.6	61.9	6.78	4,001.8	1.30	8.30	39.9	13.21	24071451-024A
G154	8/1/2024	13:09	16.7	62.0	7.35	670.9	2.66	22.69	75.5	13.40	24071451-025A
G155	8/1/2024	12:36	17.8	64.1	7.19	996.5	1.16	31.90	-23.2	12.81	24071451-026A
G200	8/6/2024	12:16	19.0	66.2	7.12	899.3	1.03	5.56	-64.6	4.51	24071451-027A
G206	7/30/2024	13:36	19.1	66.3	7.29	899.1	0.56	48.96	-262.1	18.13	24071451-028A
G206D	7/30/2024	13:06	19.4	66.9	7.24	962.5	0.80	12.68	-73.5	26.95	24071451-029A
G207	7/30/2024	12:25	21.3	70.4	6.93	645.7	2.78	2.16	42.0	13.76	24071451-030A
G208	7/30/2024	10:16	20.1	68.1	7.07	563.6	2.32	7.56	84.5	12.18	24071451-031A
G209	7/30/2024	11:09	19.5	67.0	6.88	1,222.3	0.68	67.52	-42.2	11.75	24071451-032A
G210	7/30/2024	11:47	23.1	73.6	7.20	918.1	0.86	65.41	4.8	11.89	24071451-033A
G211	8/1/2024	09:46	20.4	68.7	7.31	800.5	0.81	74.84	18.5	12.47	24071451-034A
G212	8/1/2024	10:19	18.7	65.6	7.20	691.7	0.75	6.50	54.2	13.53	24071451-035A
G213	8/1/2024	11:15	18.3	64.9	7.09	671.8	0.70	5.48	11.8	14.52	24071451-036A
G214	8/6/2024	12:18	19.4	67.0	6.96	793.1	1.01	53.66	43.2	16.50	24071451-037A
G215	8/6/2024	11:19	18.6	65.5	6.82	1,374.8	0.66	146.11	-32.0	15.84	24071451-038A
G216	8/6/2024	10:37	18.8	65.8	6.80	1,702.2	1.17	135.50	-83.2	15.04	24071451-039A

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameter Summary
Coffeen- 3Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
G217	8/6/2024	09:39	17.1	62.9	6.72	1,326.7	0.28	158.26	-92.9	16.42	24071451-040A
G218	7/31/2024	10:03	21.0	69.8	6.92	1,705.0	1.29	136.68	-101.2	14.71	24071451-041A
G219	7/31/2024	11:16	18.9	66.0	7.09	865.9	5.29	6.17	-16.6	7.55	24071451-042A
G220	8/7/2024	13:03	16.2	61.1	6.76	963.2	0.95	124.64	27.0	14.18	24071451-043A
G270	8/7/2024	10:29	17.8	64.0	6.93	556.5	1.06	53.76	-62.9	7.59	24071451-044A
G271	7/31/2024	11:24	17.4	63.4	7.14	1,038.9	3.07	1.82	196.6	10.93	24071451-045A
G272	7/31/2024	10:43	18.5	65.4	7.13	1,375.7	2.12	9.50	183.0	11.02	24071451-046A
G273	7/31/2024	10:02	18.5	65.4	6.98	1,570.6	1.09	4.43	73.1	10.87	24071451-047A
G274	7/30/2024	13:51	17.3	63.1	7.15	1,049.8	0.53	2.39	-2.1	14.20	24071451-048A
G275	8/1/2024	12:27	18.6	65.4	6.95	1,208.6	0.93	8.45	-29.2	13.29	24071451-049A
G275D	8/1/2024	12:14	16.7	62.0	7.28	1,489.6	0.64	8.49	-132.4	39.67	24071451-050A
G276	7/31/2024	12:33	19.7	67.4	6.87	1,322.9	3.83	3.49	64.4	27.79	24071451-051A
G277	7/30/2024	12:39	20.3	68.5	6.86	2,651.8	3.08	14.92	111.7	19.99	24071451-052A
G278	7/31/2024	13:13	17.1	62.9	6.70	5,375.9	1.36	52.30	102.4	23.03	24071451-053A
G279	7/30/2024	10:56	17.7	63.9	6.61	6,422.1	0.42	3.87	152.9	23.89	24071451-054A
G280	7/30/2024	11:50	17.2	63.0	7.36	867.3	0.35	62.56	89.4	5.49	24071451-055A
G281	7/30/2024	10:13	19.4	67.0	6.98	1,352.6	1.14	37.78	76.0	6.21	24071451-056A
G283	8/7/2024	13:52	16.7	62.1	6.92	957.7	0.73	48.29	-74.5	5.46	24071451-057A
G284	8/7/2024	11:25	17.6	63.6	6.91	590.4	2.04	5.17	63.3	11.04	24071451-058A
G285	8/7/2024	12:03	19.5	67.1	6.58	1,621.1	1.43	34.82	-116.2	4.96	24071451-059A
G301	8/5/2024	10:36	18.9	66.1	6.47	910.2	0.28	5.21	-45.0	8.03	24071451-060A
G302	8/5/2024	11:43	18.7	65.6	6.63	1,297.3	0.50	13.60	-67.0	11.96	24071451-061A
G303	7/31/2024	13:49	17.4	63.4	6.73	1,795.1	0.95	59.89	-37.0	6.81	24071451-062A
G305	8/1/2024	10:28	18.3	64.9	7.06	1,482.1	0.80	2.09	-52.0	8.22	24071451-063A
G306	8/1/2024	09:44	16.5	61.7	6.29	624.5	0.76	209.69	93.7	7.22	24071451-064A
G307	8/1/2024	12:13	21.2	70.1	6.95	1,000.7	0.67	9.31	-103.2	0.89	24071451-065A
G307D	8/1/2024	11:41	19.7	67.4	7.07	1,059.2	2.32	30.06	-56.4	6.34	24071451-066A
G308	8/1/2024	12:56	17.8	64.0	7.03	1,542.2	0.31	3.28	-10.8	5.02	24071451-067A
G310	8/1/2024	13:47	18.4	65.1	6.94	1,184.1	0.45	3.43	39.5	9.56	24071451-068A
G312	8/5/2024	12:55	18.0	64.5	6.38	1,772.4	0.85	6.69	21.9	13.75	24071451-069A
G313	7/31/2024	12:53	20.0	68.0	6.73	1,588.3	0.34	9.40	32.6	2.93	24071451-070A
G314	7/31/2024	11:48	18.2	64.8	6.45	3,284.4	0.29	35.61	-33.4	4.49	24071451-071A
G314D	7/31/2024	10:52	18.1	64.6	6.74	2,553.0	0.25	201.30	-62.3	6.79	24071451-072A
G315	7/31/2024	14:38	18.7	65.6	6.71	1,115.8	0.36	10.05	43.2	2.64	24071451-073A
G316	7/31/2024	09:53	17.3	63.2	6.74	1,739.6	0.36	6.85	-105.8	11.51	24071451-074A
G401	8/2/2024	09:24	17.5	63.4	5.82	2,829.6	0.84	7.77	19.4	21.72	24071451-075A
G402	8/1/2024	14:16	17.9	64.2	6.95	1,631.1	7.00	26.09	75.9	10.86	24071451-076A
G403	8/1/2024	09:16	19.2	66.6	6.81	739.7	0.87	16.33	201.0	6.50	24071451-077A
G404	7/31/2024	12:19	19.8	67.7	6.72	1,465.2	0.83	4.14	138.6	4.40	24071451-078A

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameter Summary
Coffeen- 3Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
G405	7/31/2024	12:57	19.3	66.7	6.87	1,960.6	0.73	18.80	79.5	5.66	24071451-079A
G406	8/1/2024	10:00	18.2	64.7	6.59	1,386.8	0.87	2.33	240.2	10.81	24071451-080A
G407	8/1/2024	10:51	17.4	63.3	6.75	2,111.0	0.81	29.26	215.4	5.35	24071451-081A
G410	8/2/2024	09:12	17.5	63.5	6.44	1,136.2	1.01	2.58	180.7	8.69	24071451-082A
G411	8/2/2024	10:02	16.4	61.4	7.25	877.6	0.87	3.20	208.8	7.53	24071451-083A
L201	8/7/2024	14:15	18.1	64.6	11.60	5,169.9	7.15	1.43	-78.1	17.00	24071451-084A
L202	8/7/2024	14:20	20.7	69.3	11.58	12,132.5	2.80	111.78	-72.4	20.00	24071451-085A
L203	8/7/2024	14:24	21.0	69.9	11.57	11,004.1	6.92	3.41	-59.7	16.30	24071451-086A
NE Riser	8/7/2024	14:35	22.3	72.1	6.15	13,292.6	2.58	1.55	132.8	16.69	24071451-087A
R104	8/6/2024	10:37	19.3	66.7	7.32	803.7	2.37	28.01	200.5	8.50	24071451-088A
R201	8/6/2024	13:04	18.5	65.3	7.00	1,120.5	1.41	7.06	-105.4	4.40	24071451-089A
R205	8/6/2024	13:06	17.6	63.8	6.68	1,047.0	0.24	468.00	42.6	8.23	24071451-090A
SG-02	7/30/2024	10:24	DTW Only							7.13	24071451-091A
SG-03	7/30/2024	12:50	DTW Only							8.69	24071451-092A
T127	8/5/2024	11:28	22.9	73.1	7.10	818.1	1.69	6.94	18.1	14.98	24071451-093A
T128	8/5/2024	11:49	20.1	68.1	7.12	779.1	0.86	3.25	-112.2	14.69	24071451-094A
X201	8/7/2024	14:45	27.6	81.7	5.67	16,063.0	8.24	1.68	180.9	21.28	24071451-095A
XSG-01	7/30/2024	11:58	DTW Only							6.33	24071451-096A
Field Blank	8/7/2024	14:49	QA/QC Sample							-	24071451-097A
G102 Duplicate	8/6/2024	09:13	17.7	63.8	7.22	537.1	1.99	26.31	201.2	5.93	24071451-098A
G200 Duplicate	8/6/2024	12:16	19.0	66.2	7.12	899.3	1.03	5.56	-64.6	4.51	24071451-099A
G217 Duplicate	8/6/2024	09:39	17.1	62.9	6.72	1,326.7	0.28	158.26	-92.9	16.42	24071451-100A
G301 Duplicate	8/5/2024	10:36	18.9	66.1	6.47	910.2	0.28	5.21	-45.0	8.03	24071451-101A
R201 Duplicate	8/6/2024	13:04	18.5	65.3	7.00	1,120.5	1.41	7.06	-105.4	4.40	24071451-102A
G111	8/6/2024	9:45	20.9	69.6	7.03	946.4	1.30	3.78	174.3	14.26	24071451-103A

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP2D	8/7/2024	9:31	20.80	17.4	63.3	6.72	1,498.6	1.04	104.77	-25.2
AP2D	8/7/2024	9:34	20.80	17.3	63.2	6.72	1,499.1	0.96	111.42	-27.1
AP2D	8/7/2024	9:37	20.80	17.4	63.4	6.72	1,497.4	0.94	140.54	-28.3
AP2D	8/7/2024	9:40	20.80	17.5	63.5	6.72	1,495.5	0.90	173.84	-29.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1001	8/2/2024	10:11	6.08	20.1	68.2	6.80	1,653.6	3.35	23.23	-26.4
G1001	8/2/2024	10:14	6.08	20.4	68.7	6.87	1,442.9	2.99	18.82	-25.6
G1001	8/2/2024	10:17	6.08	20.5	68.9	6.94	1,192.0	2.70	7.63	-24.7
G1001	8/2/2024	10:20	6.08	20.8	69.5	6.99	1,020.8	2.61	4.49	-24.1
G1001	8/2/2024	10:23	6.08	20.9	69.6	7.00	1,063.1	2.52	3.84	-22.4
G1001	8/2/2024	10:26	6.08	20.8	69.4	6.99	1,077.2	2.36	3.54	-20.3

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1003	8/5/2024	13:40	10.92	Dry; no sample						

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G101	8/5/2024	14:28	6.58	17.1	62.7	7.29	865.7	1.53	19.89	-17.6
G101	8/5/2024	14:31	6.58	16.9	62.3	7.29	863.6	1.18	23.10	-17.0
G101	8/5/2024	14:34	6.58	16.7	62.0	7.29	860.7	1.09	24.89	-15.8
G101	8/5/2024	14:37	6.58	16.7	62.0	7.29	854.6	1.05	29.42	-14.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102	8/6/2024	9:04	5.93	17.8	64.0	7.29	591.4	2.19	14.32	201.2
G102	8/6/2024	9:07	5.93	17.7	63.9	7.25	560.1	2.06	15.16	202.4
G102	8/6/2024	9:10	5.93	17.8	64.0	7.23	542.6	2.03	21.74	201.9
G102	8/6/2024	9:13	5.93	17.7	63.8	7.22	537.1	1.99	26.31	201.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G103	8/6/2024	10:02	10.68	18.8	65.8	7.11	914.1	2.26	5.85	207.1
G103	8/6/2024	10:05	10.68	19.2	66.5	7.08	906.8	1.72	8.89	205.8
G103	8/6/2024	10:08	10.68	19.2	66.6	7.07	910.0	1.41	10.55	203.5
G103	8/6/2024	10:11	10.68	19.2	66.5	7.06	911.4	1.30	13.00	201.2
G103	8/6/2024	10:14	10.68	19.3	66.8	7.06	909.6	1.22	15.97	199.1

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G105	8/6/2024	10:52	9.16	20.3	68.6	7.12	863.5	1.01	6.24	-231.2
G105	8/6/2024	10:55	9.16	21.8	71.2	7.15	879.4	0.72	6.53	-266.0
G105	8/6/2024	10:58	9.16	20.8	69.4	7.15	891.8	0.64	6.87	-281.2
G105	8/6/2024	11:01	9.16	20.1	68.2	7.15	877.7	0.62	8.12	-285.8

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G106	8/6/2024	11:06	10.55	23.7	74.6	8.25	4.8	8.41	8.41	-205.1
G106	8/6/2024	11:10	10.55	19.8	67.6	7.21	932.7	1.97	2.50	-189.1
G106	8/6/2024	11:13	10.55	19.8	67.6	7.12	925.5	1.22	2.46	-192.2
G106	8/6/2024	11:16	10.55	19.9	67.8	7.08	922.9	1.21	3.20	-190.1
G106	8/6/2024	11:19	10.55	19.9	67.9	7.06	919.4	1.21	5.06	-188.6
G106	8/6/2024	11:22	10.55	20.0	67.9	7.05	919.0	1.19	5.52	-187.3

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G107	8/6/2024	11:29	11.23	18.6	65.5	7.27	787.0	3.03	8.37	-167.6
G107	8/6/2024	11:32	11.23	18.5	65.4	7.22	785.9	2.17	18.41	-167.9
G107	8/6/2024	11:35	11.23	18.5	65.4	7.20	785.4	2.44	33.18	-162.8
G107	8/6/2024	11:38	11.23	18.5	65.3	7.20	785.7	2.70	53.43	-159.5
G107	8/6/2024	11:41	11.23	18.5	65.3	7.19	786.3	2.63	42.32	-157.1
G107	8/6/2024	11:44	11.23	18.5	65.3	7.18	787.6	2.60	53.78	-154.4

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G108	8/5/2024	9:16	12.03	19.8	67.6	7.17	785.5	2.52	5.02	244.1
G108	8/5/2024	9:19	12.03	20.5	68.8	7.15	794.8	1.84	6.29	242.1
G108	8/5/2024	9:22	12.03	21.0	69.8	7.14	797.4	1.50	8.44	238.9
G108	8/5/2024	9:25	12.03	21.2	70.1	7.14	797.1	1.33	11.32	235.5
G108	8/5/2024	9:25	12.03	21.2	70.1	7.13	797.2	1.31	12.01	234.9
G108	8/5/2024	9:28	12.03	21.4	70.6	7.13	796.4	1.21	16.37	232.0
G108	8/5/2024	9:31	12.03	21.5	70.6	7.13	795.7	1.16	20.94	229.8

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G109	8/5/2024	9:39	12.40	18.9	65.9	7.04	991.0	1.94	8.36	25.8
G109	8/5/2024	9:42	12.40	19.2	66.5	7.01	993.3	1.08	650.44	0.5
G109	8/5/2024	9:45	12.40	19.2	66.6	7.01	993.6	0.88	39.03	-7.9
G109	8/5/2024	9:48	12.40	19.1	66.4	7.01	992.9	0.83	40.88	-13.3
G109	8/5/2024	9:51	12.40	19.1	66.4	7.02	993.1	0.80	40.30	-16.8

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G110	8/5/2024	10:00	13.18	18.4	65.1	6.93	946.9	1.03	6.77	26.6
G110	8/5/2024	10:03	13.18	18.8	65.8	6.89	944.0	0.84	10.27	19.7
G110	8/5/2024	10:06	13.18	18.8	65.9	6.88	942.8	0.78	12.97	19.0
G110	8/5/2024	10:09	13.18	18.9	65.9	6.89	945.6	0.75	16.13	19.7

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G111	8/5/2024	10:19	14.22	18.0	64.4	7.11	965.4	1.54	6.00	62.0
G111	8/5/2024	10:22	14.22	19.3	66.8	7.08	954.1	1.14	5.17	42.1
G111	8/5/2024	10:25	14.22	19.6	67.3	7.07	951.0	1.04	5.03	31.9
G111	8/5/2024	10:28	14.22	19.5	67.1	7.07	948.9	0.99	5.46	29.6
G111	8/6/2024	9:33	14.26	19.3	66.8	7.08	933.3	5.43	3.81	172.5
G111	8/6/2024	9:36	14.26	20.2	68.4	7.04	944.2	2.72	3.98	176.3
G111	8/6/2024	9:39	14.26	20.6	69.0	7.03	948.8	1.67	3.55	176.2
G111	8/6/2024	9:42	14.26	20.7	69.2	7.03	948.0	1.38	3.69	175.3
G111	8/6/2024	9:45	14.26	20.9	69.6	7.03	946.4	1.30	3.78	174.3

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G119	8/5/2024	11:57	15.53	18.2	64.7	7.26	745.4	3.15	7.10	-37.8
G119	8/5/2024	12:00	15.53	17.9	64.1	7.23	745.6	2.38	6.94	-34.0
G119	8/5/2024	12:03	15.53	17.8	64.0	7.22	745.7	1.92	6.63	-31.2
G119	8/5/2024	12:06	15.53	17.8	64.0	7.21	745.8	1.65	5.87	-28.9
G119	8/5/2024	12:09	15.53	17.6	63.7	7.20	746.3	1.48	6.37	-26.7
G119	8/5/2024	12:12	15.53	17.6	63.6	7.20	744.6	1.39	8.23	-24.8
G119	8/5/2024	12:15	15.53	17.6	63.6	7.20	743.9	1.28	9.83	-23.3

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G120	8/5/2024	12:24	16.04	18.2	64.7	7.06	908.8	4.71	8.11	24.7
G120	8/5/2024	12:27	16.04	18.2	64.7	7.05	909.3	4.74	11.10	30.2
G120	8/5/2024	12:30	16.04	18.2	64.7	7.05	906.7	4.95	21.02	35.8
G120	8/5/2024	12:33	16.04	18.2	64.7	7.08	902.9	5.35	24.59	41.7
G120	8/5/2024	12:36	16.04	18.1	64.6	7.12	900.1	5.71	28.64	47.7
G120	8/5/2024	12:39	16.04	18.2	64.7	7.10	907.5	5.83	31.48	54.4
G120	8/5/2024	12:42	16.04	18.1	64.7	7.07	913.6	5.74	36.15	60.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G121	8/5/2024	12:49	17.80	18.0	64.5	7.06	1,003.3	3.55	29.00	77.5
G121	8/5/2024	12:52	17.80	17.7	63.9	6.98	1,003.0	3.50	12.61	77.7
G121	8/5/2024	12:55	17.80	17.7	63.8	6.97	1,000.8	3.48	9.74	77.3
G121	8/5/2024	12:58	17.80	17.6	63.7	6.97	1,000.5	3.60	7.83	78.6

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G122	8/5/2024	13:04	18.06	17.2	62.9	6.89	1,212.3	2.96	4.73	97.4
G122	8/5/2024	13:07	18.06	17.5	63.5	6.81	1,179.8	1.95	5.64	92.5
G122	8/5/2024	13:10	18.06	17.5	63.5	6.80	1,171.7	1.81	6.40	87.4
G122	8/5/2024	13:13	18.06	17.5	63.5	6.80	1,167.7	1.80	5.12	84.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G123	8/7/2024	15:20	15.21	16.8	62.2	6.87	754.8	1.46	28.24	111.1
G123	8/7/2024	15:23	15.21	16.7	62.1	6.88	754.4	1.18	29.91	109.5
G123	8/7/2024	15:26	15.21	16.7	62.0	6.88	754.1	1.07	30.80	108.0
G123	8/7/2024	15:29	15.21	16.7	62.0	6.88	753.4	1.04	36.34	106.1
G123	8/7/2024	15:32	15.21	16.6	62.0	6.89	752.5	1.01	44.81	102.3

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G124	8/5/2024	13:43	16.36	17.3	63.1	7.11	939.2	2.65	3.16	127.9
G124	8/5/2024	13:46	16.36	16.8	62.3	7.06	934.9	1.62	3.06	128.1
G124	8/5/2024	13:49	16.36	16.8	62.2	7.05	930.1	1.91	7.68	123.5
G124	8/5/2024	13:52	16.36	16.7	62.1	7.06	925.4	2.21	14.17	120.1
G124	8/5/2024	13:55	16.36	16.7	62.0	7.06	924.0	2.25	23.98	117.0
G124	8/5/2024	13:58	16.36	16.7	62.1	7.06	922.8	2.19	43.13	114.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G125	8/5/2024	14:11	16.29	17.8	64.1	7.05	928.0	1.19	12.60	-3.5
G125	8/5/2024	14:14	16.29	17.8	64.0	7.06	927.5	1.16	12.89	-23.8
G125	8/5/2024	14:17	16.29	17.5	63.6	7.07	929.7	1.20	11.80	-34.7
G125	8/5/2024	14:20	16.29	17.6	63.7	7.09	932.8	1.16	9.85	-41.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G126	8/5/2024	10:36	10.49	19.6	67.2	7.17	931.5	2.16	3.92	-109.7
G126	8/5/2024	10:39	10.49	19.1	66.4	7.15	908.1	1.21	3.31	-128.1
G126	8/5/2024	10:42	10.49	19.0	66.1	7.12	858.7	1.12	2.84	-122.0
G126	8/5/2024	10:45	10.49	19.0	66.1	7.10	852.4	1.12	2.32	-114.6

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G151	8/1/2024	11:33	11.74	17.5	63.5	7.27	950.3	2.03	6.17	-80.9
G151	8/1/2024	11:36	11.74	17.6	63.7	7.26	920.7	1.74	10.55	-89.1
G151	8/1/2024	11:39	11.74	17.6	63.7	7.24	918.3	1.60	14.73	-86.0
G151	8/1/2024	11:42	11.74	17.6	63.6	7.23	911.7	1.64	27.10	-81.8
G151	8/1/2024	11:45	11.74	17.7	63.9	7.23	843.6	1.64	18.10	-78.0
G151	8/1/2024	11:48	11.74	17.5	63.6	7.23	914.7	1.52	28.58	-74.9

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G152	8/5/2024	14:46	11.52	20.1	68.1	7.06	692.4	4.29	20.98	-27.2
G152	8/5/2024	14:49	11.52	20.2	68.3	7.06	685.7	3.91	19.05	-25.9
G152	8/5/2024	14:52	11.52	20.1	68.2	7.05	682.1	3.60	15.54	-25.9
G152	8/5/2024	14:55	11.52	20.1	68.2	7.05	678.2	3.33	16.05	-25.0
G152	8/5/2024	14:58	11.52	19.9	67.8	7.05	675.0	3.08	12.83	-23.8
G152	8/5/2024	15:01	11.52	20.0	67.9	7.05	672.8	2.82	17.32	-22.5
G152	8/5/2024	15:04	11.52	19.9	67.9	7.04	672.4	2.56	10.73	-21.5
G152	8/5/2024	15:07	11.52	20.0	68.0	7.04	668.3	2.31	10.26	-20.9
G152	8/5/2024	15:10	11.52	19.8	67.6	7.04	664.2	2.29	10.69	-20.6
G152	8/5/2024	15:13	11.52	19.5	67.1	7.04	663.0	1.99	10.89	-19.6
G152	8/5/2024	15:16	11.52	19.3	66.7	7.04	659.5	1.86	7.49	-18.7

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G153	8/1/2024	13:43	13.21	16.5	61.7	6.75	4,141.4	1.25	2.72	69.3
G153	8/1/2024	13:46	13.21	16.5	61.7	6.75	4,016.1	1.17	3.87	48.7
G153	8/1/2024	13:49	13.21	16.5	61.7	6.77	4,000.2	1.46	5.39	43.5
G153	8/1/2024	13:52	13.21	16.5	61.7	6.77	4,004.0	1.45	6.48	41.7
G153	8/1/2024	13:55	13.21	16.6	61.9	6.78	4,001.8	1.30	8.30	39.9

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G154	8/1/2024	13:00	13.40	16.9	62.5	7.36	675.1	2.88	52.59	80.7
G154	8/1/2024	13:03	13.40	16.8	62.2	7.35	672.9	2.74	27.10	78.2
G154	8/1/2024	13:06	13.40	16.8	62.2	7.35	672.2	2.70	23.39	76.5
G154	8/1/2024	13:09	13.40	16.7	62.0	7.35	670.9	2.66	22.69	75.5

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G155	8/1/2024	12:24	12.81	17.9	64.3	7.20	1,010.1	1.45	65.85	-34.8
G155	8/1/2024	12:27	12.81	18.0	64.4	7.19	1,003.6	1.42	50.93	-32.1
G155	8/1/2024	12:30	12.81	18.0	64.4	7.19	998.6	1.31	34.07	-29.0
G155	8/1/2024	12:33	12.81	18.0	64.3	7.19	997.3	1.23	34.85	-25.9
G155	8/1/2024	12:36	12.81	17.8	64.1	7.19	996.5	1.16	31.90	-23.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200	8/6/2024	12:04	4.51	20.8	69.5	7.21	883.4	1.86	1.83	-74.8
G200	8/6/2024	12:07	4.51	20.1	68.2	7.18	879.6	1.41	1.93	-73.8
G200	8/6/2024	12:10	4.51	19.5	67.2	7.17	879.0	1.19	2.40	-70.4
G200	8/6/2024	12:13	4.51	19.0	66.3	7.15	889.6	1.09	2.72	-67.6
G200	8/6/2024	12:16	4.51	19.0	66.2	7.12	899.3	1.03	5.56	-64.6

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206	7/30/2024	13:27	18.13	19.1	66.3	7.32	900.3	0.61	37.77	-250.2
G206	7/30/2024	13:30	18.13	19.1	66.4	7.31	898.1	0.59	40.73	-256.4
G206	7/30/2024	13:33	18.13	19.1	66.4	7.30	898.1	0.57	43.97	-259.4
G206	7/30/2024	13:36	18.13	19.1	66.3	7.29	899.1	0.56	48.96	-262.1

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206D	7/30/2024	12:51	26.95	19.7	67.5	7.13	973.5	1.16	13.16	-16.5
G206D	7/30/2024	12:54	26.95	19.6	67.2	7.18	969.6	1.02	15.28	-32.3
G206D	7/30/2024	12:57	26.95	19.5	67.1	7.20	968.8	0.94	12.50	-45.6
G206D	7/30/2024	13:00	26.95	19.5	67.0	7.21	965.6	0.87	12.37	-56.9
G206D	7/30/2024	13:03	26.95	19.4	66.9	7.23	963.6	0.83	12.00	-65.9
G206D	7/30/2024	13:06	26.95	19.4	66.9	7.24	962.5	0.80	12.68	-73.5

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G207	7/30/2024	12:16	13.76	22.4	72.3	7.02	644.7	3.69	2.27	40.0
G207	7/30/2024	12:19	13.76	22.0	71.6	6.98	650.8	3.27	2.87	40.3
G207	7/30/2024	12:22	13.76	21.7	71.1	6.96	648.1	3.00	3.41	40.9
G207	7/30/2024	12:25	13.76	21.3	70.4	6.93	645.7	2.78	2.16	42.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G208	7/30/2024	10:07	12.18	19.1	66.4	6.99	579.5	2.73	7.28	80.9
G208	7/30/2024	10:10	12.18	19.5	67.1	7.03	574.6	2.56	5.88	81.7
G208	7/30/2024	10:13	12.18	19.8	67.7	7.05	569.9	2.39	5.96	83.1
G208	7/30/2024	10:16	12.18	20.1	68.1	7.07	563.6	2.32	7.56	84.5

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G209	7/30/2024	10:48	11.75	19.5	67.1	6.89	1,230.7	0.81	13.92	-32.7
G209	7/30/2024	10:51	11.75	19.6	67.2	6.88	1,231.8	0.77	28.20	-35.9
G209	7/30/2024	10:54	11.75	19.6	67.2	6.88	1,231.1	0.74	41.70	-38.1
G209	7/30/2024	10:57	11.75	19.7	67.4	6.88	1,229.2	0.73	45.02	-39.7
G209	7/30/2024	11:00	11.75	19.5	67.1	6.88	1,231.3	0.71	51.62	-40.8
G209	7/30/2024	11:03	11.75	19.4	67.0	6.88	1,228.5	0.70	58.50	-41.5
G209	7/30/2024	11:06	11.75	19.4	66.9	6.88	1,223.6	0.69	63.27	-41.9
G209	7/30/2024	11:09	11.75	19.5	67.0	6.88	1,222.3	0.68	67.52	-42.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G210	7/30/2024	11:35	11.89	22.3	72.2	7.25	910.7	1.66	118.27	28.2
G210	7/30/2024	11:38	11.89	22.8	73.0	7.23	916.8	1.28	110.83	21.8
G210	7/30/2024	11:41	11.89	22.8	73.1	7.21	918.0	1.03	90.70	15.1
G210	7/30/2024	11:44	11.89	22.8	73.1	7.20	918.6	0.91	75.53	9.5
G210	7/30/2024	11:47	11.89	23.1	73.6	7.20	918.1	0.86	65.41	4.8

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G211	8/1/2024	9:34	12.47	20.6	69.1	7.33	801.1	0.88	68.42	13.0
G211	8/1/2024	9:37	12.47	20.5	68.9	7.32	802.3	0.86	81.58	14.7
G211	8/1/2024	9:40	12.47	20.4	68.8	7.32	800.2	0.83	87.06	16.1
G211	8/1/2024	9:43	12.47	20.4	68.7	7.32	800.2	0.82	83.85	17.4
G211	8/1/2024	9:46	12.47	20.4	68.7	7.31	800.5	0.81	74.84	18.5

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G212	8/1/2024	10:07	13.53	19.0	66.2	7.16	686.0	0.92	3.34	57.1
G212	8/1/2024	10:10	13.53	19.0	66.1	7.18	688.8	0.85	4.84	56.5
G212	8/1/2024	10:13	13.53	18.9	66.0	7.19	689.1	0.81	4.99	55.6
G212	8/1/2024	10:16	13.53	18.8	65.9	7.19	690.0	0.77	5.92	54.9
G212	8/1/2024	10:19	13.53	18.7	65.6	7.20	691.7	0.75	6.50	54.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G213	8/1/2024	11:00	14.52	18.6	65.5	7.09	672.9	0.78	12.48	19.6
G213	8/1/2024	11:03	14.52	18.7	65.7	7.09	672.5	0.75	6.59	17.5
G213	8/1/2024	11:06	14.52	18.8	65.8	7.09	673.0	0.73	3.98	15.5
G213	8/1/2024	11:09	14.52	18.9	66.0	7.09	673.7	0.71	8.88	13.8
G213	8/1/2024	11:12	14.52	18.6	65.6	7.09	673.3	0.70	4.62	12.6
G213	8/1/2024	11:15	14.52	18.3	64.9	7.09	671.8	0.70	5.48	11.8

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G214	8/6/2024	12:03	16.50	19.4	66.9	6.98	775.1	1.82	10.87	47.5
G214	8/6/2024	12:06	16.50	19.3	66.7	6.97	786.8	1.53	16.41	46.1
G214	8/6/2024	12:09	16.50	19.3	66.7	6.96	795.5	1.29	25.37	44.9
G214	8/6/2024	12:12	16.50	19.3	66.8	6.96	795.8	1.17	35.19	44.1
G214	8/6/2024	12:15	16.50	19.3	66.7	6.96	793.6	1.10	44.53	43.6
G214	8/6/2024	12:18	16.50	19.4	67.0	6.96	793.1	1.01	53.66	43.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G215	8/6/2024	11:07	15.84	18.9	66.0	6.82	1,383.1	0.93	145.82	-28.8
G215	8/6/2024	11:10	15.84	18.7	65.6	6.82	1,377.1	0.82	118.91	-29.8
G215	8/6/2024	11:13	15.84	18.8	65.8	6.82	1,373.8	0.76	119.50	-30.7
G215	8/6/2024	11:16	15.84	18.7	65.6	6.82	1,375.4	0.69	129.77	-31.4
G215	8/6/2024	11:19	15.84	18.6	65.5	6.82	1,374.8	0.66	146.11	-32.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G216	8/6/2024	10:25	15.04	18.9	66.0	6.80	1,702.0	1.55	31.39	-86.2
G216	8/6/2024	10:28	15.04	18.7	65.7	6.80	1,698.8	1.33	53.57	-84.7
G216	8/6/2024	10:31	15.04	18.8	65.9	6.79	1,697.5	1.27	97.34	-83.4
G216	8/6/2024	10:34	15.04	18.8	65.9	6.79	1,703.7	1.37	111.45	-82.8
G216	8/6/2024	10:37	15.04	18.8	65.8	6.80	1,702.2	1.17	135.50	-83.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217	8/6/2024	9:21	16.42	17.1	62.8	6.70	1,323.4	0.34	17.01	-94.9
G217	8/6/2024	9:24	16.42	17.1	62.7	6.71	1,325.0	0.32	52.13	-96.1
G217	8/6/2024	9:27	16.42	17.1	62.7	6.71	1,324.6	0.31	67.86	-95.4
G217	8/6/2024	9:30	16.42	17.1	62.8	6.72	1,326.2	0.30	88.00	-95.3
G217	8/6/2024	9:33	16.42	17.2	62.9	6.72	1,325.3	0.30	102.80	-93.2
G217	8/6/2024	9:36	16.42	17.2	62.9	6.72	1,325.6	0.29	111.98	-92.7
G217	8/6/2024	9:39	16.42	17.1	62.9	6.72	1,326.7	0.28	158.26	-92.9

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G218	7/31/2024	9:45	14.71	19.7	67.4	6.93	1,686.2	1.45	74.32	-94.8
G218	7/31/2024	9:48	14.71	19.7	67.5	6.92	1,693.8	1.43	79.77	-95.4
G218	7/31/2024	9:51	14.71	20.0	67.9	6.92	1,695.6	1.40	88.15	-97.1
G218	7/31/2024	9:54	14.71	20.2	68.3	6.92	1,698.5	1.36	92.76	-99.3
G218	7/31/2024	9:57	14.71	20.4	68.6	6.92	1,697.9	1.33	102.13	-100.8
G218	7/31/2024	10:00	14.71	20.6	69.1	6.92	1,699.9	1.30	110.88	-101.5
G218	7/31/2024	10:03	14.71	21.0	69.8	6.92	1,705.0	1.29	136.68	-101.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G219	7/31/2024	10:55	7.55	19.5	67.1	7.10	867.3	4.96	10.02	-20.9
G219	7/31/2024	10:58	7.55	19.4	66.9	7.10	870.0	4.98	28.33	-19.6
G219	7/31/2024	11:01	7.55	19.2	66.5	7.09	869.3	4.97	15.90	-18.7
G219	7/31/2024	11:04	7.55	19.2	66.5	7.09	869.7	5.01	524.32	-18.3
G219	7/31/2024	11:07	7.55	19.0	66.2	7.09	869.0	5.04	5.18	-18.2
G219	7/31/2024	11:10	7.55	19.1	66.4	7.09	868.0	5.15	3.18	-17.9
G219	7/31/2024	11:13	7.55	19.0	66.1	7.09	868.1	5.24	2.48	-17.3
G219	7/31/2024	11:16	7.55	18.9	66.0	7.09	865.9	5.29	6.17	-16.6

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G220	8/7/2024	12:51	14.18	16.2	61.2	6.77	965.6	1.30	64.35	17.5
G220	8/7/2024	12:54	14.18	16.1	61.0	6.77	961.7	1.15	61.33	21.1
G220	8/7/2024	12:57	14.18	16.2	61.2	6.77	961.3	1.04	74.93	23.4
G220	8/7/2024	13:00	14.18	16.3	61.3	6.77	959.7	0.98	90.65	25.6
G220	8/7/2024	13:03	14.18	16.2	61.1	6.76	963.2	0.95	124.64	27.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G270	8/7/2024	10:17	7.59	17.4	63.4	6.96	562.3	1.38	58.13	-91.0
G270	8/7/2024	10:20	7.59	17.6	63.7	6.95	559.4	1.23	58.46	-84.8
G270	8/7/2024	10:23	7.59	17.7	63.8	6.95	558.8	1.17	55.77	-76.7
G270	8/7/2024	10:26	7.59	17.6	63.8	6.94	557.3	1.10	54.64	-68.7
G270	8/7/2024	10:29	7.59	17.8	64.0	6.93	556.5	1.06	53.76	-62.9

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G271	7/31/2024	11:09	10.93	17.9	64.1	7.19	1,012.0	3.22	4.12	189.5
G271	7/31/2024	11:12	10.93	17.7	63.9	7.19	995.1	3.57	1.98	192.9
G271	7/31/2024	11:15	10.93	17.6	63.6	7.16	1,019.9	3.38	1.05	195.3
G271	7/31/2024	11:18	10.93	17.5	63.5	7.14	1,040.7	3.04	1.03	196.5
G271	7/31/2024	11:21	10.93	17.5	63.4	7.14	1,037.2	3.03	1.31	196.3
G271	7/31/2024	11:24	10.93	17.4	63.4	7.14	1,038.9	3.07	1.82	196.6

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G272	7/31/2024	10:31	11.02	18.8	65.9	7.19	1,421.7	2.17	40.66	200.4
G272	7/31/2024	10:34	11.02	19.0	66.1	7.15	1,412.2	1.99	29.16	195.4
G272	7/31/2024	10:37	11.02	18.8	65.9	7.15	1,379.3	2.21	17.07	190.4
G272	7/31/2024	10:40	11.02	18.6	65.5	7.14	1,371.0	2.25	12.53	186.5
G272	7/31/2024	10:43	11.02	18.5	65.4	7.13	1,375.7	2.12	9.50	183.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G273	7/31/2024	9:53	10.87	17.2	63.0	6.92	1,553.6	1.17	5.19	148.3
G273	7/31/2024	9:56	10.87	17.8	64.1	6.96	1,556.5	1.13	4.30	119.5
G273	7/31/2024	9:59	10.87	18.9	66.0	6.99	1,550.5	1.06	4.60	92.8
G273	7/31/2024	10:02	10.87	18.5	65.4	6.98	1,570.6	1.09	4.43	73.1

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G274	7/30/2024	13:39	14.20	17.6	63.7	7.17	1,018.7	0.96	2.85	20.8
G274	7/30/2024	13:42	14.20	17.5	63.5	7.16	1,062.2	0.70	2.90	11.9
G274	7/30/2024	13:45	14.20	17.4	63.3	7.16	1,050.3	0.63	2.70	5.5
G274	7/30/2024	13:48	14.20	17.4	63.3	7.16	1,044.6	0.57	2.63	0.8
G274	7/30/2024	13:51	14.20	17.3	63.1	7.15	1,049.8	0.53	2.39	-2.1

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275	8/1/2024	12:15	13.29	18.1	64.7	7.15	1,129.7	2.00	32.44	-38.8
G275	8/1/2024	12:18	13.29	19.3	66.8	7.01	1,171.4	1.38	27.26	-38.8
G275	8/1/2024	12:21	13.29	19.5	67.0	6.98	1,179.9	1.21	6.24	-36.0
G275	8/1/2024	12:24	13.29	19.2	66.6	6.96	1,198.9	1.06	5.73	-32.8
G275	8/1/2024	12:27	13.29	18.6	65.4	6.95	1,208.6	0.93	8.45	-29.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275D	8/1/2024	12:02	39.67	19.3	66.7	7.21	1,503.8	0.77	6.36	-95.8
G275D	8/1/2024	12:05	39.67	17.5	63.6	7.23	1,538.0	0.73	10.24	-110.5
G275D	8/1/2024	12:08	39.67	16.7	62.0	7.26	1,493.1	0.67	6.64	-119.7
G275D	8/1/2024	12:11	39.67	16.6	61.8	7.27	1,491.3	0.65	8.59	-126.5
G275D	8/1/2024	12:14	39.67	16.7	62.0	7.28	1,489.6	0.64	8.49	-132.4

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G276	7/31/2024	12:09	27.79	20.4	68.8	7.07	1,346.0	7.31	650.87	58.1
G276	7/31/2024	12:12	27.79	19.1	66.3	6.92	1,338.4	7.19	737.46	61.4
G276	7/31/2024	12:15	27.79	18.7	65.7	6.91	1,337.7	6.28	741.74	62.9
G276	7/31/2024	12:18	27.79	19.2	66.5	6.90	1,335.1	5.86	738.19	63.5
G276	7/31/2024	12:21	27.79	19.3	66.7	6.89	1,336.2	5.48	736.42	63.8
G276	7/31/2024	12:24	27.79	19.7	67.4	6.88	1,333.5	5.02	729.67	64.0
G276	7/31/2024	12:27	27.79	19.9	67.7	6.88	1,333.2	4.65	3.69	64.0
G276	7/31/2024	12:30	27.79	19.3	66.8	6.87	1,330.2	4.29	2.80	64.2
G276	7/31/2024	12:33	27.79	19.7	67.4	6.87	1,322.9	3.83	3.49	64.4

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G277	7/30/2024	12:27	19.99	19.4	67.0	6.88	2,562.0	3.27	52.09	104.0
G277	7/30/2024	12:30	19.99	20.0	68.0	6.86	2,641.9	3.10	43.29	106.7
G277	7/30/2024	12:33	19.99	20.1	68.2	6.86	2,668.4	3.07	34.60	108.7
G277	7/30/2024	12:36	19.99	20.1	68.2	6.86	2,664.5	2.96	23.28	110.3
G277	7/30/2024	12:39	19.99	20.3	68.5	6.86	2,651.8	3.08	14.92	111.7

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G278	7/31/2024	12:58	23.03	18.0	64.4	6.83	4,686.5	6.94	74.41	95.4
G278	7/31/2024	13:01	23.03	17.6	63.7	6.88	3,795.5	5.08	65.89	93.6
G278	7/31/2024	13:04	23.03	17.2	62.9	6.90	3,711.4	5.13	60.79	92.8
G278	7/31/2024	13:07	23.03	17.0	62.6	6.77	4,629.5	3.21	55.95	98.3
G278	7/31/2024	13:10	23.03	17.1	62.8	6.72	5,143.8	1.92	53.00	101.1
G278	7/31/2024	13:13	23.03	17.1	62.9	6.70	5,375.9	1.36	52.30	102.4

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G279	7/30/2024	10:44	23.89	17.9	64.2	6.64	5,799.9	0.84	12.78	148.9
G279	7/30/2024	10:47	23.89	18.2	64.7	6.66	5,836.4	0.74	5.97	147.7
G279	7/30/2024	10:50	23.89	17.7	63.9	6.65	6,321.1	0.56	3.80	148.5
G279	7/30/2024	10:53	23.89	17.6	63.6	6.61	6,376.8	0.47	4.16	151.2
G279	7/30/2024	10:56	23.89	17.7	63.9	6.61	6,422.1	0.42	3.87	152.9

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G280	7/30/2024	11:32	5.49	17.6	63.6	7.39	878.0	0.69	19.89	97.8
G280	7/30/2024	11:35	5.49	17.4	63.4	7.39	872.9	0.52	27.29	95.0
G280	7/30/2024	11:38	5.49	17.3	63.2	7.38	869.7	0.45	34.18	93.2
G280	7/30/2024	11:41	5.49	17.2	63.0	7.37	869.2	0.40	42.47	92.0
G280	7/30/2024	11:44	5.49	17.3	63.1	7.37	867.9	0.37	53.71	91.0
G280	7/30/2024	11:47	5.49	17.3	63.1	7.36	867.8	0.35	61.69	90.1
G280	7/30/2024	11:50	5.49	17.2	63.0	7.36	867.3	0.35	62.56	89.4

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G281	7/30/2024	9:58	6.21	19.3	66.7	6.99	1,358.4	1.71	45.19	65.8
G281	7/30/2024	10:01	6.21	19.4	66.9	6.99	1,360.1	1.50	52.32	67.4
G281	7/30/2024	10:04	6.21	19.5	67.1	6.99	1,358.7	1.35	41.47	69.7
G281	7/30/2024	10:07	6.21	19.6	67.2	6.98	1,355.7	1.23	36.41	71.8
G281	7/30/2024	10:10	6.21	19.5	67.1	6.98	1,355.3	1.19	39.22	74.1
G281	7/30/2024	10:13	6.21	19.4	67.0	6.98	1,352.6	1.14	37.78	76.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G283	8/7/2024	13:40	5.46	16.9	62.4	6.91	957.6	0.95	7.02	-66.9
G283	8/7/2024	13:43	5.46	16.8	62.2	6.92	957.3	0.86	8.92	-69.5
G283	8/7/2024	13:46	5.46	16.8	62.2	6.92	957.3	0.78	15.99	-71.6
G283	8/7/2024	13:49	5.46	16.8	62.2	6.92	957.1	0.76	28.53	-73.2
G283	8/7/2024	13:52	5.46	16.7	62.1	6.92	957.7	0.73	48.29	-74.5

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G284	8/7/2024	10:58	11.04	18.0	64.3	6.96	541.3	4.14	10.99	58.3
G284	8/7/2024	11:01	11.04	17.8	64.0	6.95	548.9	3.73	8.53	59.9
G284	8/7/2024	11:04	11.04	17.7	63.9	6.94	557.3	3.43	6.50	60.6
G284	8/7/2024	11:07	11.04	17.8	64.0	6.93	565.9	3.15	6.00	61.2
G284	8/7/2024	11:10	11.04	17.7	63.9	6.92	573.0	2.89	5.23	61.7
G284	8/7/2024	11:13	11.04	17.7	63.8	6.92	578.5	2.68	4.90	62.1
G284	8/7/2024	11:16	11.04	17.6	63.7	6.91	582.4	2.49	4.42	62.6
G284	8/7/2024	11:19	11.04	17.6	63.8	6.91	585.2	2.32	4.19	62.9
G284	8/7/2024	11:22	11.04	17.6	63.7	6.91	588.0	2.18	4.42	63.1
G284	8/7/2024	11:25	11.04	17.6	63.6	6.91	590.4	2.04	5.17	63.3

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G285	8/7/2024	11:51	4.96	18.3	64.9	6.56	1,605.8	1.61	46.67	-118.4
G285	8/7/2024	11:54	4.96	19.5	67.2	6.57	1,603.2	1.74	73.54	-116.2
G285	8/7/2024	11:57	4.96	19.6	67.3	6.58	1,613.3	1.58	110.55	-116.8
G285	8/7/2024	12:00	4.96	19.5	67.1	6.58	1,620.8	1.50	15.38	-116.0
G285	8/7/2024	12:03	4.96	19.5	67.1	6.58	1,621.1	1.43	34.82	-116.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301	8/5/2024	10:18	8.03	21.3	70.3	6.44	929.6	0.57	5.28	-37.1
G301	8/5/2024	10:21	8.03	21.4	70.6	6.44	924.2	0.49	5.82	-48.1
G301	8/5/2024	10:24	8.03	21.5	70.8	6.45	922.5	0.47	5.88	-51.5
G301	8/5/2024	10:27	8.03	21.5	70.7	6.46	919.2	0.43	6.15	-51.1
G301	8/5/2024	10:30	8.03	19.4	66.9	6.47	923.3	0.35	6.50	-47.6
G301	8/5/2024	10:33	8.03	18.9	66.0	6.47	913.6	0.29	6.02	-42.4
G301	8/5/2024	10:36	8.03	18.9	66.1	6.47	910.2	0.28	5.21	-45.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G302	8/5/2024	11:31	11.96	18.7	65.7	6.62	1,311.5	0.55	28.48	-79.4
G302	8/5/2024	11:34	11.96	18.8	65.9	6.61	1,302.1	0.41	17.17	-75.4
G302	8/5/2024	11:37	11.96	18.7	65.6	6.62	1,300.4	0.41	28.07	-72.0
G302	8/5/2024	11:40	11.96	18.6	65.5	6.62	1,297.6	0.48	22.19	-69.4
G302	8/5/2024	11:43	11.96	18.7	65.6	6.63	1,297.3	0.50	13.60	-67.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G303	7/31/2024	13:37	6.81	17.5	63.4	6.73	1,781.4	1.37	12.41	-26.0
G303	7/31/2024	13:40	6.81	17.4	63.3	6.73	1,786.3	1.17	17.90	-28.2
G303	7/31/2024	13:43	6.81	17.4	63.3	6.73	1,796.4	1.08	32.87	-31.0
G303	7/31/2024	13:46	6.81	17.4	63.3	6.73	1,790.8	1.01	46.57	-34.5
G303	7/31/2024	13:49	6.81	17.4	63.4	6.73	1,795.1	0.95	59.89	-37.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G305	8/1/2024	10:16	8.22	18.5	65.3	7.05	1,490.0	1.23	2.56	-84.1
G305	8/1/2024	10:19	8.22	18.4	65.1	7.05	1,487.4	1.06	2.45	-72.8
G305	8/1/2024	10:22	8.22	18.3	64.9	7.05	1,484.0	0.94	2.48	-63.6
G305	8/1/2024	10:25	8.22	18.2	64.8	7.05	1,482.7	0.86	2.45	-56.9
G305	8/1/2024	10:28	8.22	18.3	64.9	7.06	1,482.1	0.80	2.09	-52.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G306	8/1/2024	9:20	7.22	16.4	61.5	6.31	635.9	0.63	137.98	80.7
G306	8/1/2024	9:23	7.22	16.6	61.8	6.29	628.6	0.65	151.48	82.8
G306	8/1/2024	9:26	7.22	16.6	61.8	6.29	625.6	0.69	172.76	85.1
G306	8/1/2024	9:29	7.22	16.4	61.6	6.29	626.8	0.70	186.67	87.3
G306	8/1/2024	9:32	7.22	16.5	61.7	6.28	625.3	0.73	204.37	88.7
G306	8/1/2024	9:35	7.22	16.4	61.6	6.29	627.7	0.71	54.84	90.4
G306	8/1/2024	9:38	7.22	16.5	61.8	6.29	626.3	0.60	61.53	91.4
G306	8/1/2024	9:41	7.22	16.5	61.6	6.29	624.5	0.61	84.59	92.6
G306	8/1/2024	9:44	7.22	16.5	61.7	6.29	624.5	0.76	209.69	93.7

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307	8/1/2024	12:01	0.89	21.7	71.1	6.90	1,001.5	0.85	13.85	-122.7
G307	8/1/2024	12:04	0.89	21.6	71.0	6.92	999.7	0.76	9.25	-121.6
G307	8/1/2024	12:07	0.89	21.5	70.6	6.94	1,000.0	0.72	5.07	-115.9
G307	8/1/2024	12:10	0.89	21.3	70.3	6.94	999.7	0.69	7.13	-109.5
G307	8/1/2024	12:13	0.89	21.2	70.1	6.95	1,000.7	0.67	9.31	-103.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307D	8/1/2024	11:20	6.34	18.3	64.9	7.17	1,131.9	0.60	46.02	-97.2
G307D	8/1/2024	11:23	6.34	19.5	67.1	7.15	1,128.3	0.61	49.16	-95.3
G307D	8/1/2024	11:26	6.34	20.1	68.2	7.13	1,125.5	0.68	57.10	-89.9
G307D	8/1/2024	11:29	6.34	20.4	68.7	7.10	1,108.1	1.00	61.64	-81.0
G307D	8/1/2024	11:32	6.34	20.1	68.2	7.09	1,087.1	1.74	40.72	-72.0
G307D	8/1/2024	11:35	6.34	19.5	67.2	7.08	1,067.6	2.06	18.02	-65.2
G307D	8/1/2024	11:38	6.34	19.6	67.3	7.07	1,063.9	2.20	24.98	-61.0
G307D	8/1/2024	11:41	6.34	19.7	67.4	7.07	1,059.2	2.32	30.06	-56.4

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G308	8/1/2024	12:47	5.02	18.1	64.6	7.02	1,539.2	0.50	5.61	-11.5
G308	8/1/2024	12:50	5.02	18.0	64.3	7.02	1,540.3	0.39	3.98	-11.4
G308	8/1/2024	12:53	5.02	17.8	64.1	7.03	1,543.0	0.34	3.55	-11.1
G308	8/1/2024	12:56	5.02	17.8	64.0	7.03	1,542.2	0.31	3.28	-10.8

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G310	8/1/2024	13:38	9.56	18.5	65.3	6.93	1,183.6	0.60	5.38	44.3
G310	8/1/2024	13:41	9.56	18.4	65.1	6.93	1,184.1	0.58	4.90	42.6
G310	8/1/2024	13:44	9.56	18.5	65.2	6.93	1,184.3	0.54	4.30	40.9
G310	8/1/2024	13:47	9.56	18.4	65.1	6.94	1,184.1	0.45	3.43	39.5

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G312	8/5/2024	12:37	13.75	18.2	64.8	6.40	1,525.5	1.36	5.08	56.5
G312	8/5/2024	12:40	13.75	18.2	64.8	6.39	1,573.5	1.23	3.65	44.5
G312	8/5/2024	12:43	13.75	18.1	64.7	6.39	1,624.2	1.14	3.08	33.2
G312	8/5/2024	12:46	13.75	18.1	64.6	6.39	1,671.7	1.05	3.24	22.7
G312	8/5/2024	12:49	13.75	18.2	64.7	6.38	1,709.9	0.98	3.48	19.0
G312	8/5/2024	12:52	13.75	18.2	64.8	6.38	1,741.7	0.92	5.18	20.9
G312	8/5/2024	12:55	13.75	18.0	64.5	6.38	1,772.4	0.85	6.69	21.9

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G313	7/31/2024	12:38	2.93	19.9	67.8	6.73	1,583.0	0.47	42.03	35.7
G313	7/31/2024	12:41	2.93	19.8	67.7	6.73	1,580.1	0.41	49.79	34.2
G313	7/31/2024	12:44	2.93	19.9	67.8	6.73	1,580.5	0.38	65.08	33.0
G313	7/31/2024	12:47	2.93	20.1	68.2	6.73	1,583.5	0.36	3.99	32.6
G313	7/31/2024	12:50	2.93	20.1	68.1	6.73	1,587.2	0.36	5.47	32.6
G313	7/31/2024	12:53	2.93	20.0	68.0	6.73	1,588.3	0.34	9.40	32.6

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314	7/31/2024	11:30	4.49	17.7	63.8	6.41	3,291.5	0.40	69.93	-25.9
G314	7/31/2024	11:33	4.49	17.6	63.7	6.42	3,290.7	0.34	183.00	-28.4
G314	7/31/2024	11:36	4.49	17.7	63.8	6.43	3,277.7	0.31	83.37	-33.1
G314	7/31/2024	11:39	4.49	17.7	63.8	6.44	3,278.8	0.29	138.58	-35.3
G314	7/31/2024	11:42	4.49	17.7	63.9	6.44	3,286.1	0.29	10.75	-34.7
G314	7/31/2024	11:45	4.49	18.1	64.6	6.45	3,281.9	0.29	21.74	-34.2
G314	7/31/2024	11:48	4.49	18.2	64.8	6.45	3,284.4	0.29	35.61	-33.4

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314D	7/31/2024	10:28	6.79	17.8	64.1	6.73	2,560.6	0.39	116.51	-47.2
G314D	7/31/2024	10:31	6.79	18.1	64.5	6.73	2,560.4	0.37	148.95	-51.1
G314D	7/31/2024	10:34	6.79	18.2	64.8	6.73	2,561.7	0.33	241.84	-53.7
G314D	7/31/2024	10:37	6.79	18.1	64.6	6.74	2,559.7	0.31	203.96	-55.6
G314D	7/31/2024	10:40	6.79	18.1	64.5	6.74	2,558.4	0.30	287.74	-57.1
G314D	7/31/2024	10:43	6.79	18.1	64.5	6.74	2,556.8	0.28	386.54	-58.6
G314D	7/31/2024	10:46	6.79	18.0	64.4	6.74	2,556.4	0.27	214.08	-59.9
G314D	7/31/2024	10:49	6.79	18.0	64.4	6.74	2,555.1	0.26	234.10	-61.0
G314D	7/31/2024	10:52	6.79	18.1	64.6	6.74	2,553.0	0.25	201.30	-62.3

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G315	7/31/2024	14:23	2.64	18.6	65.5	6.71	1,111.2	0.96	20.05	39.3
G315	7/31/2024	14:26	2.64	18.8	65.8	6.71	1,108.8	0.66	16.62	39.1
G315	7/31/2024	14:29	2.64	18.6	65.5	6.71	1,109.7	0.52	20.55	40.1
G315	7/31/2024	14:32	2.64	18.8	65.8	6.71	1,112.4	0.43	10.24	41.2
G315	7/31/2024	14:35	2.64	18.7	65.6	6.71	1,116.0	0.38	10.00	42.3
G315	7/31/2024	14:38	2.64	18.7	65.6	6.71	1,115.8	0.36	10.05	43.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G316	7/31/2024	9:44	11.51	17.6	63.6	6.71	1,751.7	0.71	12.67	-96.5
G316	7/31/2024	9:47	11.51	17.3	63.1	6.75	1,703.8	0.48	11.53	-102.4
G316	7/31/2024	9:50	11.51	17.3	63.1	6.74	1,721.8	0.41	8.82	-104.5
G316	7/31/2024	9:53	11.51	17.3	63.2	6.74	1,739.6	0.36	6.85	-105.8

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G401	8/2/2024	9:12	21.72	18.5	65.3	5.92	2,519.2	3.12	73.08	39.3
G401	8/2/2024	9:15	21.72	17.9	64.2	5.81	2,828.9	1.25	62.69	25.9
G401	8/2/2024	9:18	21.72	17.6	63.7	5.82	2,838.6	0.99	16.40	22.6
G401	8/2/2024	9:21	21.72	17.4	63.4	5.82	2,834.6	0.89	8.70	20.5
G401	8/2/2024	9:24	21.72	17.5	63.4	5.82	2,829.6	0.84	7.77	19.4

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G402	8/1/2024	13:58	10.86	20.2	68.3	6.78	1,637.7	2.32	20.81	73.9
G402	8/1/2024	14:01	10.86	21.1	69.9	6.78	1,646.8	2.66	20.42	72.3
G402	8/1/2024	14:04	10.86	21.1	70.0	6.80	1,653.2	3.39	29.38	71.3
G402	8/1/2024	14:07	10.86	18.7	65.7	6.84	1,644.7	4.75	28.80	72.3
G402	8/1/2024	14:10	10.86	18.5	65.3	6.89	1,635.8	6.16	33.85	73.8
G402	8/1/2024	14:13	10.86	18.3	64.9	6.90	1,633.3	6.38	21.80	74.8
G402	8/1/2024	14:16	10.86	17.9	64.2	6.95	1,631.1	7.00	26.09	75.9

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G403	8/1/2024	9:04	6.50	18.6	65.5	6.88	759.4	1.61	5.19	220.3
G403	8/1/2024	9:07	6.50	19.1	66.4	6.83	750.1	1.15	7.64	216.7
G403	8/1/2024	9:10	6.50	19.2	66.5	6.80	744.0	1.05	11.00	211.4
G403	8/1/2024	9:13	6.50	19.2	66.6	6.80	741.4	0.93	14.65	205.8
G403	8/1/2024	9:16	6.50	19.2	66.6	6.81	739.7	0.87	16.33	201.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G404	7/31/2024	12:10	4.40	19.7	67.5	6.64	2,169.5	1.46	2.32	187.2
G404	7/31/2024	12:13	4.40	19.8	67.7	6.61	1,997.3	0.97	2.62	168.7
G404	7/31/2024	12:16	4.40	19.8	67.7	6.66	1,661.5	0.88	3.45	151.4
G404	7/31/2024	12:19	4.40	19.8	67.7	6.72	1,465.2	0.83	4.14	138.6

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G405	7/31/2024	12:48	5.66	19.8	67.6	6.95	1,774.7	1.01	3.64	125.3
G405	7/31/2024	12:51	5.66	19.4	66.9	6.90	1,898.7	0.82	6.26	100.1
G405	7/31/2024	12:54	5.66	19.4	66.9	6.88	1,942.4	0.75	11.46	86.8
G405	7/31/2024	12:57	5.66	19.3	66.7	6.87	1,960.6	0.73	18.80	79.5

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G406	8/1/2024	9:48	10.81	19.0	66.2	6.60	1,386.5	2.04	1.86	249.8
G406	8/1/2024	9:51	10.81	18.7	65.7	6.58	1,390.1	1.29	2.00	247.7
G406	8/1/2024	9:54	10.81	18.5	65.3	6.58	1,387.0	1.03	2.08	244.9
G406	8/1/2024	9:57	10.81	18.3	65.0	6.58	1,387.9	0.92	2.33	242.2
G406	8/1/2024	10:00	10.81	18.2	64.7	6.59	1,386.8	0.87	2.33	240.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G407	8/1/2024	10:36	5.35	17.5	63.5	6.47	3,281.3	1.64	27.27	280.1
G407	8/1/2024	10:39	5.35	17.4	63.3	6.57	3,089.3	1.37	31.66	253.1
G407	8/1/2024	10:42	5.35	17.3	63.2	6.67	2,525.7	1.11	25.13	237.6
G407	8/1/2024	10:45	5.35	17.3	63.2	6.73	2,244.7	0.91	26.38	227.7
G407	8/1/2024	10:48	5.35	17.4	63.3	6.74	2,156.5	0.84	26.59	221.1
G407	8/1/2024	10:51	5.35	17.4	63.3	6.75	2,111.0	0.81	29.26	215.4

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G410	8/2/2024	9:03	8.69	17.6	63.7	6.57	1,330.3	1.65	38.60	257.1
G410	8/2/2024	9:06	8.69	17.6	63.6	6.46	1,169.9	1.17	12.37	237.4
G410	8/2/2024	9:09	8.69	17.5	63.5	6.44	1,139.0	1.09	5.72	209.9
G410	8/2/2024	9:12	8.69	17.5	63.5	6.44	1,136.2	1.01	2.58	180.7

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G411	8/2/2024	9:53	7.53	16.5	61.7	7.22	874.5	1.14	10.98	215.4
G411	8/2/2024	9:56	7.53	16.4	61.5	7.25	865.7	0.98	5.40	213.6
G411	8/2/2024	9:59	7.53	16.4	61.5	7.25	871.5	0.91	3.82	211.6
G411	8/2/2024	10:02	7.53	16.4	61.4	7.25	877.6	0.87	3.20	208.8

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L201	8/7/2024	14:15	17.00	18.1	64.6	11.60	5,169.9	7.15	1.43	-78.1

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L202	8/7/2024	14:20	20.00	20.7	69.3	11.58	12,132.5	2.80	111.78	-72.4

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L203	8/7/2024	14:24	16.30	21.0	69.9	11.57	11,004.1	6.92	3.41	-59.7

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
NE Riser	8/7/2024	14:35	16.69	22.3	72.1	6.15	13,292.6	2.58	1.55	132.8

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R104	8/6/2024	10:28	8.50	19.1	66.4	7.37	808.6	2.25	4.83	204.6
R104	8/6/2024	10:31	8.50	19.4	66.9	7.37	809.3	2.25	7.90	202.7
R104	8/6/2024	10:34	8.50	19.3	66.7	7.35	806.4	2.48	13.74	201.4
R104	8/6/2024	10:37	8.50	19.3	66.7	7.32	803.7	2.37	28.01	200.5

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201	8/6/2024	12:43	4.40	20.6	69.1	6.96	1,005.8	2.42	3.39	-83.3
R201	8/6/2024	12:46	4.40	19.7	67.5	6.94	1,002.4	2.17	3.57	-83.8
R201	8/6/2024	12:49	4.40	19.4	67.0	6.94	1,004.4	2.01	3.66	-87.2
R201	8/6/2024	12:52	4.40	19.1	66.4	6.96	1,023.5	1.88	2.57	-97.9
R201	8/6/2024	12:55	4.40	18.9	65.9	6.99	1,118.7	1.71	2.64	-106.4
R201	8/6/2024	12:58	4.40	18.7	65.7	6.99	1,120.8	1.59	3.91	-106.0
R201	8/6/2024	13:01	4.40	18.6	65.5	7.00	1,123.6	1.49	5.31	-105.6
R201	8/6/2024	13:04	4.40	18.5	65.3	7.00	1,120.5	1.41	7.06	-105.4

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R205	8/6/2024	12:54	8.23	17.7	63.9	6.67	1,065.3	0.28	168.11	50.2
R205	8/6/2024	12:57	8.23	17.7	63.9	6.67	1,063.6	0.26	203.93	48.0
R205	8/6/2024	13:00	8.23	17.6	63.7	6.68	1,056.2	0.25	280.77	45.8
R205	8/6/2024	13:03	8.23	17.6	63.7	6.68	1,050.0	0.24	309.99	44.2
R205	8/6/2024	13:06	8.23	17.6	63.8	6.68	1,047.0	0.24	468.00	42.6

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-02	7/30/2024	10:24	7.13	DTW Only						

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-03	7/30/2024	12:50	8.69	DTW Only						

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T127	8/5/2024	11:04	14.98	23.1	73.6	7.09	813.3	3.74	62.49	10.7
T127	8/5/2024	11:07	14.98	23.1	73.6	7.09	815.7	3.13	53.88	11.8
T127	8/5/2024	11:10	14.98	23.2	73.8	7.09	818.1	3.01	24.33	13.5
T127	8/5/2024	11:13	14.98	23.0	73.5	7.10	823.2	2.63	17.74	15.1
T127	8/5/2024	11:16	14.98	23.0	73.4	7.10	808.7	2.47	16.87	16.3
T127	8/5/2024	11:19	14.98	22.8	73.0	7.10	817.5	2.15	12.54	17.3
T127	8/5/2024	11:22	14.98	22.9	73.2	7.10	820.6	1.97	10.17	17.8
T127	8/5/2024	11:25	14.98	22.6	72.6	7.11	819.5	1.84	8.79	17.9
T127	8/5/2024	11:28	14.98	22.9	73.1	7.10	818.1	1.69	6.94	18.1

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T128	8/5/2024	11:37	14.69	17.9	64.3	7.15	783.4	1.72	4.55	-48.6
T128	8/5/2024	11:40	14.69	17.4	63.3	7.13	776.9	1.12	3.99	-87.3
T128	8/5/2024	11:43	14.69	17.4	63.4	7.12	771.8	0.94	3.94	-100.2
T128	8/5/2024	11:46	14.69	18.6	65.5	7.12	775.5	0.89	3.49	-106.7
T128	8/5/2024	11:49	14.69	20.1	68.1	7.12	779.1	0.86	3.25	-112.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
X201	8/7/2024	14:45	21.28	27.6	81.7	5.67	16,063.0	8.24	1.68	180.9

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	7/30/2024	11:58	6.33	DTW Only						

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	8/7/2024	14:49	-	QA/QC Sample						

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102 Duplicate	8/6/2024	9:04	5.93	17.8	64.0	7.29	591.4	2.19	14.32	201.2
G102 Duplicate	8/6/2024	9:07	5.93	17.7	63.9	7.25	560.1	2.06	15.16	202.4
G102 Duplicate	8/6/2024	9:10	5.93	17.8	64.0	7.23	542.6	2.03	21.74	201.9
G102 Duplicate	8/6/2024	9:13	5.93	17.7	63.8	7.22	537.1	1.99	26.31	201.2

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200 Duplicate	8/6/2024	12:04	4.51	20.8	69.5	7.21	883.4	1.86	1.83	-74.8
G200 Duplicate	8/6/2024	12:07	4.51	20.1	68.2	7.18	879.6	1.41	1.93	-73.8
G200 Duplicate	8/6/2024	12:10	4.51	19.5	67.2	7.17	879.0	1.19	2.40	-70.4
G200 Duplicate	8/6/2024	12:13	4.51	19.0	66.3	7.15	889.6	1.09	2.72	-67.6
G200 Duplicate	8/6/2024	12:16	4.51	19.0	66.2	7.12	899.3	1.03	5.56	-64.6

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217 Duplicate	8/6/2024	9:21	16.42	17.1	62.8	6.70	1,323.4	0.34	17.01	-94.9
G217 Duplicate	8/6/2024	9:24	16.42	17.1	62.7	6.71	1,325.0	0.32	52.13	-96.1
G217 Duplicate	8/6/2024	9:27	16.42	17.1	62.7	6.71	1,324.6	0.31	67.86	-95.4
G217 Duplicate	8/6/2024	9:30	16.42	17.1	62.8	6.72	1,326.2	0.30	88.00	-95.3
G217 Duplicate	8/6/2024	9:33	16.42	17.2	62.9	6.72	1,325.3	0.30	102.80	-93.2
G217 Duplicate	8/6/2024	9:36	16.42	17.2	62.9	6.72	1,325.6	0.29	111.98	-92.7
G217 Duplicate	8/6/2024	9:39	16.42	17.1	62.9	6.72	1,326.7	0.28	158.26	-92.9

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301 Duplicate	8/5/2024	10:18	8.03	21.3	70.3	6.44	929.6	0.57	5.28	-37.1
G301 Duplicate	8/5/2024	10:21	8.03	21.4	70.6	6.44	924.2	0.49	5.82	-48.1
G301 Duplicate	8/5/2024	10:24	8.03	21.5	70.8	6.45	922.5	0.47	5.88	-51.5
G301 Duplicate	8/5/2024	10:27	8.03	21.5	70.7	6.46	919.2	0.43	6.15	-51.1
G301 Duplicate	8/5/2024	10:30	8.03	19.4	66.9	6.47	923.3	0.35	6.50	-47.6
G301 Duplicate	8/5/2024	10:33	8.03	18.9	66.0	6.47	913.6	0.29	6.02	-42.4
G301 Duplicate	8/5/2024	10:36	8.03	18.9	66.1	6.47	910.2	0.28	5.21	-45.0

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Quality Parameters
Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201 Duplicate	8/6/2024	12:43	4.40	20.6	69.1	6.96	1,005.8	2.42	3.39	-83.3
R201 Duplicate	8/6/2024	12:46	4.40	19.7	67.5	6.94	1,002.4	2.17	3.57	-83.8
R201 Duplicate	8/6/2024	12:49	4.40	19.4	67.0	6.94	1,004.4	2.01	3.66	-87.2
R201 Duplicate	8/6/2024	12:52	4.40	19.1	66.4	6.96	1,023.5	1.88	2.57	-97.9
R201 Duplicate	8/6/2024	12:55	4.40	18.9	65.9	6.99	1,118.7	1.71	2.64	-106.4
R201 Duplicate	8/6/2024	12:58	4.40	18.7	65.7	6.99	1,120.8	1.59	3.91	-106.0
R201 Duplicate	8/6/2024	13:01	4.40	18.6	65.5	7.00	1,123.6	1.49	5.31	-105.6
R201 Duplicate	8/6/2024	13:04	4.40	18.5	65.3	7.00	1,120.5	1.41	7.06	-105.4

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 7/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830B	4.00	7/30/24 8:42
7.0 Buffer	WC24307F	6.98	7/30/24 8:32
10.0 Buffer	WC240521B	10.01	7/30/24 8:46
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1418	7/30/24 8:48

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.8	7/30/24 8:53
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	7/30/24 8:56	19.8	7.00	1,418	1.81		
CCV-M-1	CCV	7/30/24 12:33	22.1	7.03	1,422	1.45		
CCV-1	CCV	7/30/24 16:24	23.7	7.01	1,423	1.62		

Comments:

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 7/31/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	7/31/24 8:44
7.0 Buffer	WC24307F	7.02	7/31/24 8:40
10.0 Buffer	WC240521B	9.99	7/31/24 8:48
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1410	7/31/24 8:55

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.4	7/31/24 8:58
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	7/31/24 9:07	22.4	7.01	1,410	1.4		
CCV-2	CCV	7/31/24 13:59	23.1	7.01	1,410	1.4		

Comments:

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 8/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230820B	4.02	8/1/24 8:36
7.0 Buffer	WC24307F	6.99	8/1/24 8:31
10.0 Buffer	WC240521B	10.00	8/1/24 8:40
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1416	8/1/24 8:44

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	8/1/24 8:45
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	8/1/24 8:50	23.9	7.00	1,416	1.6		
CCV-3	CCV	8/1/24 13:47	26.5	7.01	1,416	1.5		

Comments:

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 8/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	8/2/24 8:38
7.0 Buffer	WC24307F	7.00	8/2/24 8:35
10.0 Buffer	WC240521B	10.01	8/2/24 8:45
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1419	8/2/24 8:48

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.7	8/2/24 8:52
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	8/2/24 8:55	23.8	7.01	1,419	1.8		
CCV-4	CCV	8/2/24 11:00	25.5	7.02	1,419	1.6		

Comments:

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 8/5/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	8/5/24 8:45
7.0 Buffer	WC240307F	7.02	8/5/24 8:36
10.0 Buffer	WC240625B	9.99	8/5/24 8:49
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1413	8/5/24 8:54

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	8/5/24 8:56
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	8/5/24 9:04	24.6	7.01	1,413	1.6		
CCV-5	CCV	8/5/24 14:51	28.3	7.00	1,413	1.6		

Comments:

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 8/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612A	4.02	8/6/24 8:25
7.0 Buffer	WC240307F	7.00	8/6/24 8:23
10.0 Buffer	WC240625B	9.99	8/6/24 8:31
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1418	8/6/24 8:35

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	8/6/24 8:40
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	8/6/24 8:48	25.6	7.00	1,418	1.6		
CCV-6	CCV	8/6/24 13:39	28.6	7.01	1,418	1.6		

Comments:

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 7/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.01	7/30/24 9:24
7.0 Buffer	wc231207a	6.99	7/30/24 9:19
10.0 Buffer	wc240625b	9.99	7/30/24 9:28
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1408	7/30/24 9:34

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.48	7/30/24 9:34
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	7/30/24 9:38	23.2	6.99	1,412	0.48		
CCV-1	CCV	7/30/24 14:23	26.7	7.02	1,422	0.53		

Comments:

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 7/31/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	7/31/24 8:55
7.0 Buffer	wc231207a	6.98	7/31/24 8:45
10.0 Buffer	wc240625b	10.02	7/31/24 9:01
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	7/31/24 9:06

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.42	7/31/24 9:07
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	7/31/24 9:09	24.5	6.98	1,412	0.42		
CCV-2	CCV	7/31/24 14:56	26.6	7.03	1,426	0.46		

Comments:

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 8/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	8/1/24 8:45
7.0 Buffer	wc231207a	7.00	8/1/24 8:40
10.0 Buffer	wc240625b	9.98	8/1/24 8:49
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/1/24 8:54

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.41	8/1/24 8:54
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	8/1/24 9:03	24.2	7.01	1,412	0.68		
CCV-3	CCV	8/1/24 14:34	26.7	7.04	1,423	1.11		

Comments:

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 8/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	8/2/24 8:38
7.0 Buffer	wc231207a	6.99	8/2/24 8:30
10.0 Buffer	wc240625b	10.00	8/2/24 8:41
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1410	8/2/24 8:46

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.46	8/2/24 8:46
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	8/2/24 8:48	24.3	6.99	1,410	0.46		
CCV-4	CCV	8/2/24 13:48	26.8	7.02	1,419	0.52		

Comments:

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 8/5/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.01	8/5/24 9:01
7.0 Buffer	wc231207a	6.98	8/5/24 8:57
10.0 Buffer	wc240625b	9.99	8/5/24 9:06
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1409	8/5/24 9:10

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.44	8/5/24 9:10
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	8/5/24 9:13	23.7	6.99	1,409	0.44		
CCV-5	CCV	8/5/24 15:01	28.7	7.03	1,417	0.53		

Comments:

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 8/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	3.99	8/6/24 8:45
7.0 Buffer	wc231207a	7.00	8/6/24 8:41
10.0 Buffer	wc240625b	10.00	8/6/24 8:51
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/6/24 8:57

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.46	8/6/24 8:57
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	8/6/24 9:01	24.2	7.01	1,412	0.46		
CCV-6	CCV	8/6/24 15:13	28.2	7.00	1,419	0.58		

Comments:

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 223344 Technician(s): Tracy Carroll Date: 7/31/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	7/31/24 9:26
7.0 Buffer	WC240307F	7.00	7/31/24 9:28
10.0 Buffer	WC240625B	9.99	7/31/24 9:29
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	7/31/24 9:23

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	7/31/24 9:31	26.1	7.03	1,413	1.43		
CCV-1	CCV	7/31/24 14:46	24.1	7.01	1,472	1.92		

Comments:

Field Meter ID: Pine 223344 Technician(s): Tracy Carroll Date: 8/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	8/1/24 8:51
7.0 Buffer	WC240307F	7.00	8/1/24 8:50
10.0 Buffer	WC240625B	10.00	8/1/24 8:52
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/1/24 8:52

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	8/1/24 8:55	24.3	7.06	1,411	1.83		
CCV-M-2	CCV	8/1/24 11:33	24.8	7.03	1,432	1.88		
CCV-2	CCV	8/1/24 13:59	25.1	7.01	1,486	1.67		

Comments:

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 223344 Technician(s): Tracy Carroll Date: 8/5/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	8/5/24 9:42
7.0 Buffer	WC240307F	6.99	8/5/24 9:45
10.0 Buffer	WC240625B	9.96	8/5/24 9:47
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/5/24 9:51

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	8/5/24 10:01	27.9	7.05	1,412	1.89		
CCV-3	CCV	8/5/24 15:34	28.2	7.03	1,409	0.95		

Comments:

Field Meter ID: Pine 223344 Technician(s): TracyCarroll Date: 8/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	8/6/24 8:28
7.0 Buffer	WC240307F	7.00	8/6/24 8:27
10.0 Buffer	WC240625B	9.97	8/6/24 8:33
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/6/24 8:36

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	8/6/24 8:51	26.9	7.03	1,401	0.99		
CCV-4	CCV	8/6/24 13:51	28	7.06	1,370	1.23		

Comments:

Site Samping Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 223344 Technician(s): Tracy Carroll Date: 8/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	8/7/24 8:43
7.0 Buffer	WC240307F	7.00	8/7/24 8:45
10.0 Buffer	WC240625B	9.99	8/7/24 8:45
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/7/24 8:48

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	8/7/24 8:48	23.4	6.99	1,410	1.43		
CCV-M-5	CCV	8/7/24 12:03	23.8	7.03	1,426	1.23		
CCV-5	CCV	8/7/24 15:37	24.1	7.06	1,447	1.56		

Comments:

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218074
Description YSI Pro DSS Sonde
Calibrated 7/25/2024 6:32:30PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102664
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.30	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.36	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.20	10.04	0.40%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.06	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	105.31	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.435	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	216.10	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218074
Description YSI Pro DSS Sonde
Calibrated 7/25/2024 6:32:30PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	98.90	100.00	0.00%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#4GA1475	STL ORP SOLUTION 240MV L#4GA1475	AquaPhoenix Scientific	ORP Solution	4GA1475		10/25/2024
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GB0027	STL PH7 L#4GB0027	AquaPhoenix Scientific	PH7	4GB0027		2/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 223344
Description YSI Pro DSS Sonde
Calibrated 7/25/2024 3:04:32PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 24B105081
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.05	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	3.96	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.11	10.05	0.50%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	-4.44	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	114.08	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.465	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	227.30	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 223344
Description YSI Pro DSS Sonde
Calibrated 7/25/2024 3:04:32PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	95.30	100.30	0.30%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL 800 NTU L#24010026	STL 800 NTU L#24010026	GFS	8523	24010026		3/20/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#4GA1475	STL ORP SOLUTION 240MV L#4GA1475	AquaPhoenix Scientific	ORP Solution	4GA1475		10/25/2024
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GB0027	STL PH7 L#4GB0027	AquaPhoenix Scientific	PH7	4GB0027		2/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45985
Description YSI Pro DSS
Calibrated 7/25/2024 3:07:11PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101797
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.06	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.04	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.03	10.04	0.40%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.24	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	125.76	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.459	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	243.2	240.0	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45985
Description YSI Pro DSS
Calibrated 7/25/2024 3:07:11PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	99.8	100.3	0.30%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#4GA1475	STL ORP SOLUTION 240MV L#4GA1475	AquaPhoenix Scientific	ORP Solution	4GA1475		10/25/2024
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GB0027	STL PH7 L#4GB0027	AquaPhoenix Scientific	PH7	4GB0027		2/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

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

December 19, 2024

Eric Bauer
Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
TEL: (414) 837-3607
FAX: (414) 837-3608

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: COF-24Q4 **WorkOrder:** 24101589

Dear Eric Bauer:

TEKLAB, INC received 16 samples for COF_257_102 on 11/7/2024 3:33:00 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: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24

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Definitions

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Abbr	Definition
*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Definitions

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-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
Work Order: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24

Cooler Receipt Temp: 14.9 °C

An employee of Teklab, Inc. collected the sample(s).

G1003 could not be collected; the well was dry. Equipment Blanks were not needed (dedicated equipment, only, was employed).

Dates/times of collection per field file confirmation. EAH 11/14/24

Per Eric Bauer's request, only COF_257_102 data is included in this report. EAH 12/19/24

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:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-001 **Client Sample ID:** AP2D

Matrix: GROUNDWATER **Collection Date:** 11/07/2024 12:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**20.48**	ft	1	11/07/2024 12:45	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**6.6**	NTU	1	11/07/2024 12:45	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-36**	mV	1	11/07/2024 12:45	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1830**	µS/cm	1	11/07/2024 12:45	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**15.3**	°C	1	11/07/2024 12:45	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.23**	mg/L	1	11/07/2024 12:45	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**6.76**		1	11/07/2024 12:45	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**89**	mg/L	1	11/11/2024 9:09	R355953
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/11/2024 9:09	R355953
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1840**	mg/L	1	11/11/2024 13:45	R356046
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/08/2024 21:04	R355845
Chloride	NELAP	1.0	5.0	J	**3.1**	mg/L	10	11/08/2024 21:04	R355845
Sulfate	NELAP	3.00	10.0		**1170**	mg/L	10	11/08/2024 21:04	R355845
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**375**	mg/L	1	11/11/2024 15:07	230949
Magnesium	NELAP	0.006	0.050		**50.2**	mg/L	1	11/11/2024 15:07	230949
Potassium	NELAP	0.400	1.00		**42.9**	mg/L	10	11/11/2024 15:38	230949
Sodium	NELAP	0.018	0.050	B	**42.9**	mg/L	1	11/11/2024 15:07	230949
Sample result(s) for Na exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/16/2024 8:45	230949
Arsenic	NELAP	0.4	1.0		**8.0**	µg/L	5	11/14/2024 23:26	230949
Barium	NELAP	0.7	1.0		**32.9**	µg/L	5	11/19/2024 4:02	230949
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/14/2024 23:26	230949
Boron	NELAP	9.2	20.0		**19200**	µg/L	5	11/14/2024 23:26	230949
Cadmium	NELAP	0.2	1.0	J	**0.3**	µg/L	5	11/14/2024 23:26	230949
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/14/2024 23:26	230949
Cobalt	NELAP	0.1	1.0		**2.5**	µg/L	5	11/14/2024 23:26	230949
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/16/2024 8:45	230949
Lithium	*	1.4	3.0		**150**	µg/L	5	11/14/2024 23:26	230949
Molybdenum	NELAP	0.6	1.5		**1150**	µg/L	5	11/16/2024 8:45	230949
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/14/2024 23:26	230949
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/14/2024 23:26	230949
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/12/2024 16:28	230944

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-002 **Client Sample ID:** G1001

Matrix: GROUNDWATER **Collection Date:** 11/07/2024 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.62**	ft	1	11/07/2024 11:18	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**24**	NTU	1	11/07/2024 11:18	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-62**	mV	1	11/07/2024 11:18	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1150**	µS/cm	1	11/07/2024 11:18	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.7**	°C	1	11/07/2024 11:18	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**5.08**	mg/L	1	11/07/2024 11:18	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**6.89**		1	11/07/2024 11:18	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**486**	mg/L	1	11/11/2024 9:18	R355953
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/11/2024 9:18	R355953
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**666**	mg/L	1	11/12/2024 14:36	R356118
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.24**	mg/L	10	11/08/2024 21:39	R355845
Chloride	NELAP	1.00	5.00		**7.79**	mg/L	10	11/08/2024 21:39	R355845
Sulfate	NELAP	3.00	10.0		**107**	mg/L	10	11/08/2024 21:39	R355845
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	**110**	mg/L	1	11/11/2024 15:09	230949
Magnesium	NELAP	0.006	0.050	S	**49.5**	mg/L	1	11/11/2024 15:09	230949
Potassium	NELAP	0.040	0.100		**1.88**	mg/L	1	11/11/2024 15:09	230949
Sodium	NELAP	0.018	0.050	BS	**65.5**	mg/L	1	11/11/2024 15:09	230949
Sample result(s) for Na exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.									
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		**1.6**	µg/L	5	11/16/2024 7:57	230949
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/14/2024 23:38	230949
Barium	NELAP	0.7	1.0		**78.7**	µg/L	5	11/19/2024 4:31	230949
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/14/2024 23:38	230949
Boron	NELAP	9.2	20.0		**1020**	µg/L	5	11/14/2024 23:38	230949
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/14/2024 23:38	230949
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/14/2024 23:38	230949
Cobalt	NELAP	0.1	1.0	J	**0.2**	µg/L	5	11/14/2024 23:38	230949
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/16/2024 7:57	230949
Lithium	*	1.4	3.0		**9.2**	µg/L	5	11/14/2024 23:38	230949
Molybdenum	NELAP	0.6	1.5		**5.8**	µg/L	5	11/19/2024 4:31	230949
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/14/2024 23:38	230949
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/14/2024 23:38	230949
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/12/2024 16:30	230944

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-003 **Client Sample ID:** G1003

Matrix: GROUNDWATER **Collection Date:**

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**Dry**	ft	1	11/07/2024 0:00	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**Dry**	NTU	1	11/07/2024 0:00	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**Dry**	mV	1	11/07/2024 0:00	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**Dry**	µS/cm	1	11/07/2024 0:00	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**Dry**	°C	1	11/07/2024 0:00	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**Dry**	mg/L	1	11/07/2024 0:00	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**Dry**		1	11/07/2024 0:00	R356135

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-044 **Client Sample ID:** G270

Matrix: GROUNDWATER **Collection Date:** 10/29/2024 14:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.10**	ft	1	10/29/2024 14:01	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**11**	NTU	1	10/29/2024 14:01	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-47**	mV	1	10/29/2024 14:01	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**647**	µS/cm	1	10/29/2024 14:01	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.8**	°C	1	10/29/2024 14:01	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.47**	mg/L	1	10/29/2024 14:01	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**6.79**		1	10/29/2024 14:01	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**326**	mg/L	1	10/30/2024 12:35	R355430
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/30/2024 12:35	R355430
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**418**	mg/L	1	11/04/2024 15:21	R355707
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.20**	mg/L	10	10/30/2024 12:07	R355359
Chloride	NELAP	1.00	5.00		**13.9**	mg/L	10	10/30/2024 12:07	R355359
Sulfate	NELAP	3.00	10.0		**47.3**	mg/L	10	10/30/2024 12:07	R355359
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**61.0**	mg/L	1	11/05/2024 15:54	230530
Magnesium	NELAP	0.006	0.050		**25.2**	mg/L	1	11/05/2024 15:54	230530
Potassium	NELAP	0.040	0.100		**0.940**	mg/L	1	11/05/2024 15:54	230530
Sodium	NELAP	0.018	0.050		**70.8**	mg/L	1	11/05/2024 15:54	230530
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	12/10/2024 22:26	232040
Arsenic	NELAP	0.4	1.0	J	**0.8**	µg/L	5	11/01/2024 20:15	230530
Barium	NELAP	0.7	1.0		**63.1**	µg/L	5	11/01/2024 20:15	230530
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/01/2024 20:15	230530
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	11/01/2024 20:15	230530
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/01/2024 20:15	230530
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/06/2024 16:53	230530
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	11/06/2024 16:53	230530
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/01/2024 20:15	230530
Lithium	*	1.4	3.0		**4.7**	µg/L	5	11/01/2024 20:15	230530
Molybdenum	NELAP	0.6	1.5		**1.7**	µg/L	5	11/01/2024 20:15	230530
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/01/2024 20:15	230530
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/01/2024 20:15	230530
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/01/2024 10:30	230504

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-055 **Client Sample ID:** G280

Matrix: GROUNDWATER **Collection Date:** 10/30/2024 12:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**7.83**	ft	1	10/30/2024 12:14	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**99**	NTU	1	10/30/2024 12:14	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**6**	mV	1	10/30/2024 12:14	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**791**	µS/cm	1	10/30/2024 12:14	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**19.2**	°C	1	10/30/2024 12:14	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**0.58**	mg/L	1	10/30/2024 12:14	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**7.11**		1	10/30/2024 12:14	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**268**	mg/L	1	10/31/2024 11:59	R355498
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/31/2024 11:59	R355498
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**552**	mg/L	1	11/04/2024 15:33	R355707
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	10/31/2024 18:01	R355425
Chloride	NELAP	1.00	5.00		**65.7**	mg/L	10	10/31/2024 18:01	R355425
Sulfate	NELAP	3.00	10.0		**83.8**	mg/L	10	10/31/2024 18:01	R355425
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**83.2**	mg/L	1	11/04/2024 18:28	230586
Magnesium	NELAP	0.006	0.050		**37.6**	mg/L	1	11/04/2024 18:28	230586
Potassium	NELAP	0.040	0.100		**0.628**	mg/L	1	11/04/2024 18:28	230586
Sodium	NELAP	0.018	0.050		**57.4**	mg/L	1	11/05/2024 15:11	230586
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/20/2024 2:35	231194
Arsenic	NELAP	0.4	1.0	J	**0.4**	µg/L	5	11/12/2024 19:00	230586
Barium	NELAP	0.7	1.0		**48.4**	µg/L	5	11/15/2024 5:35	230586
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/08/2024 21:45	230586
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	11/12/2024 19:00	230586
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/12/2024 19:00	230586
Chromium	NELAP	0.7	1.5	J	**0.9**	µg/L	5	11/08/2024 21:45	230586
Cobalt	NELAP	0.1	1.0	J	**0.3**	µg/L	5	11/08/2024 21:45	230586
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/08/2024 21:45	230586
Lithium	*	1.4	3.0		**4.2**	µg/L	5	11/15/2024 5:35	230586
Molybdenum	NELAP	0.6	1.5	J	**0.9**	µg/L	5	11/13/2024 19:01	230586
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/12/2024 19:00	230586
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/08/2024 21:45	230586
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/04/2024 13:21	230598

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-056 **Client Sample ID:** G281

Matrix: GROUNDWATER **Collection Date:** 10/30/2024 14:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.39**	ft	1	10/30/2024 14:25	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**58**	NTU	1	10/30/2024 14:25	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-14**	mV	1	10/30/2024 14:25	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1310**	µS/cm	1	10/30/2024 14:25	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.9**	°C	1	10/30/2024 14:25	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.07**	mg/L	1	10/30/2024 14:25	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**6.98**		1	10/30/2024 14:25	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**390**	mg/L	1	10/31/2024 10:55	R355498
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	10/31/2024 10:55	R355498
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**966**	mg/L	1	11/04/2024 15:34	R355707
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	10/31/2024 18:25	R355425
Chloride	NELAP	1.00	5.00		**55.9**	mg/L	10	10/31/2024 18:25	R355425
Sulfate	NELAP	3.00	10.0		**317**	mg/L	10	10/31/2024 18:25	R355425
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**142**	mg/L	1	11/04/2024 18:29	230586
Magnesium	NELAP	0.006	0.050		**62.7**	mg/L	1	11/04/2024 18:29	230586
Potassium	NELAP	0.040	0.100		**0.677**	mg/L	1	11/04/2024 18:29	230586
Sodium	NELAP	0.018	0.050		**101**	mg/L	1	11/05/2024 15:12	230586
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/15/2024 16:50	230586
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	11/12/2024 19:06	230586
Barium	NELAP	0.7	1.0		**68.7**	µg/L	5	11/15/2024 5:41	230586
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/08/2024 21:51	230586
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	11/12/2024 19:06	230586
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/12/2024 19:06	230586
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/08/2024 21:51	230586
Cobalt	NELAP	0.1	1.0	J	**0.6**	µg/L	5	11/08/2024 21:51	230586
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/08/2024 21:51	230586
Lithium	*	1.4	3.0		**4.9**	µg/L	5	11/08/2024 21:51	230586
Molybdenum	NELAP	0.6	1.5	J	**1.1**	µg/L	5	11/13/2024 19:07	230586
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/12/2024 19:06	230586
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/08/2024 21:51	230586
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/04/2024 13:30	230598

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-075 **Client Sample ID:** G401

Matrix: GROUNDWATER **Collection Date:** 11/06/2024 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**21.44**	ft	1	11/06/2024 10:36	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.1**	NTU	1	11/06/2024 10:36	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**15**	mV	1	11/06/2024 10:36	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**2220**	µS/cm	1	11/06/2024 10:36	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.7**	°C	1	11/06/2024 10:36	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.24**	mg/L	1	11/06/2024 10:36	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**5.62**		1	11/06/2024 10:36	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**95**	mg/L	1	11/07/2024 11:50	R355910
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/07/2024 11:50	R355910
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		**3180**	mg/L	2.5	11/11/2024 15:10	R356046
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/07/2024 17:40	R355776
Chloride	NELAP	1.0	5.0	J	**2.6**	mg/L	10	11/07/2024 17:40	R355776
Sulfate	NELAP	3.00	10.0		**2170**	mg/L	10	11/07/2024 17:40	R355776
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**522**	mg/L	1	11/12/2024 13:41	230877
Magnesium	NELAP	0.006	0.050		**114**	mg/L	1	11/12/2024 13:41	230877
Potassium	NELAP	0.040	0.100		**5.15**	mg/L	1	11/12/2024 13:41	230877
Sodium	NELAP	0.018	0.050		**56.7**	mg/L	1	11/12/2024 13:41	230877
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/16/2024 13:00	230877
Arsenic	NELAP	0.4	1.0		**1.2**	µg/L	5	11/20/2024 1:29	230877
Barium	NELAP	0.7	1.0		**11.6**	µg/L	5	11/20/2024 1:29	230877
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/14/2024 22:13	230877
Boron	NELAP	9.2	20.0		**4360**	µg/L	5	11/14/2024 22:13	230877
Cadmium	NELAP	0.2	1.0	J	**0.4**	µg/L	5	11/14/2024 22:13	230877
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/14/2024 22:13	230877
Cobalt	NELAP	0.1	1.0		**201**	µg/L	5	11/20/2024 1:29	230877
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/16/2024 13:00	230877
Lithium	*	1.4	3.0		**37.4**	µg/L	5	11/14/2024 22:13	230877
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	11/14/2024 22:13	230877
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/14/2024 22:13	230877
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/14/2024 22:13	230877
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/11/2024 18:20	230159

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-076 **Client Sample ID:** G402

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 11:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**11.42**	ft	1	11/04/2024 11:57	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**14**	NTU	1	11/04/2024 11:57	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**93**	mV	1	11/04/2024 11:57	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1280**	µS/cm	1	11/04/2024 11:57	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.6**	°C	1	11/04/2024 11:57	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**8.78**	mg/L	1	11/04/2024 11:57	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**7.01**		1	11/04/2024 11:57	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**473**	mg/L	1	11/05/2024 11:55	R355706
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/05/2024 11:55	R355706
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1360**	mg/L	1	11/07/2024 12:56	R355895
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.22**	mg/L	10	11/06/2024 1:47	R355616
Chloride	NELAP	1.0	5.0	J	**1.5**	mg/L	10	11/06/2024 1:47	R355616
Sulfate	NELAP	3.00	10.0		**606**	mg/L	10	11/06/2024 1:47	R355616
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**218**	mg/L	1	11/06/2024 17:03	230732
Magnesium	NELAP	0.006	0.050		**133**	mg/L	1	11/06/2024 17:03	230732
Potassium	NELAP	0.040	0.100		**0.836**	mg/L	1	11/06/2024 17:03	230732
Sodium	NELAP	0.018	0.050		**41.4**	mg/L	1	11/06/2024 17:03	230732
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/16/2024 6:02	230732
Arsenic	NELAP	0.4	1.0	J	**1.0**	µg/L	5	11/14/2024 19:30	230732
Barium	NELAP	0.7	1.0		**19.6**	µg/L	5	11/14/2024 19:30	230732
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/14/2024 19:30	230732
Boron	NELAP	9.2	20.0		**6070**	µg/L	5	11/14/2024 19:30	230732
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/14/2024 19:30	230732
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/14/2024 19:30	230732
Cobalt	NELAP	0.1	1.0	J	**0.9**	µg/L	5	11/14/2024 19:30	230732
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/09/2024 12:29	230732
Lithium	*	1.4	3.0		**24.4**	µg/L	5	11/20/2024 12:35	230732
Molybdenum	NELAP	0.6	1.5		**2.6**	µg/L	5	11/14/2024 19:30	230732
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/14/2024 19:30	230732
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/09/2024 12:29	230732
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/06/2024 10:19	230733

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Laboratory Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-077 **Client Sample ID:** G403

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 11:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**8.48**	ft	1	11/04/2024 11:06	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**20**	NTU	1	11/04/2024 11:06	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**-108**	mV	1	11/04/2024 11:06	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**557**	µS/cm	1	11/04/2024 11:06	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**16.7**	°C	1	11/04/2024 11:06	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.19**	mg/L	1	11/04/2024 11:06	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**6.72**		1	11/04/2024 11:06	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**315**	mg/L	1	11/05/2024 12:02	R355706
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/05/2024 12:02	R355706
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**474**	mg/L	1	11/07/2024 12:57	R355895
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/06/2024 1:58	R355616
Chloride	NELAP	1.00	5.00		**6.00**	mg/L	10	11/06/2024 1:58	R355616
Sulfate	NELAP	3.00	10.0		**75.3**	mg/L	10	11/06/2024 1:58	R355616
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**81.6**	mg/L	1	11/06/2024 15:59	230734
Magnesium	NELAP	0.006	0.050		**38.5**	mg/L	1	11/06/2024 15:59	230734
Potassium	NELAP	0.040	0.100		**0.624**	mg/L	1	11/06/2024 15:59	230734
Sodium	NELAP	0.018	0.050		**26.8**	mg/L	1	11/07/2024 13:33	230734
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/15/2024 19:55	230734
Arsenic	NELAP	0.4	1.0	J	**0.7**	µg/L	5	11/08/2024 16:01	230734
Barium	NELAP	0.7	1.0		**126**	µg/L	5	11/13/2024 16:12	230734
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/08/2024 16:01	230734
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	11/08/2024 16:01	230734
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/08/2024 16:01	230734
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/08/2024 16:01	230734
Cobalt	NELAP	0.1	1.0		**1.9**	µg/L	5	11/12/2024 15:04	230734
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/08/2024 16:01	230734
Lithium	*	1.4	3.0		**4.1**	µg/L	5	11/08/2024 16:01	230734
Molybdenum	NELAP	0.6	1.5		**2.5**	µg/L	5	11/13/2024 16:12	230734
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/08/2024 16:01	230734
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/08/2024 16:01	230734
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/06/2024 10:22	230733

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-078 **Client Sample ID:** G404

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 10:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**5.35**	ft	1	11/04/2024 10:40	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**9.9**	NTU	1	11/04/2024 10:40	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**76**	mV	1	11/04/2024 10:40	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1670**	µS/cm	1	11/04/2024 10:40	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.5**	°C	1	11/04/2024 10:40	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.51**	mg/L	1	11/04/2024 10:40	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**6.42**		1	11/04/2024 10:40	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**326**	mg/L	1	11/05/2024 12:07	R355706
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/05/2024 12:07	R355706
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1480**	mg/L	1	11/07/2024 12:57	R355895
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/06/2024 2:10	R355616
Chloride	NELAP	1.00	5.00		**85.9**	mg/L	10	11/06/2024 2:10	R355616
Sulfate	NELAP	3.00	10.0		**693**	mg/L	10	11/06/2024 2:10	R355616
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**222**	mg/L	1	11/06/2024 15:59	230734
Magnesium	NELAP	0.006	0.050		**103**	mg/L	1	11/06/2024 15:59	230734
Potassium	NELAP	0.040	0.100		**0.544**	mg/L	1	11/06/2024 15:59	230734
Sodium	NELAP	0.018	0.050		**77.5**	mg/L	1	11/07/2024 13:34	230734
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/15/2024 19:59	230734
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	11/08/2024 16:49	230734
Barium	NELAP	0.7	1.0		**21.2**	µg/L	5	11/13/2024 16:18	230734
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/08/2024 16:49	230734
Boron	NELAP	9.2	20.0		**12000**	µg/L	5	11/08/2024 16:49	230734
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/08/2024 16:49	230734
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/08/2024 16:49	230734
Cobalt	NELAP	0.1	1.0	J	**0.7**	µg/L	5	11/08/2024 16:49	230734
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/08/2024 16:49	230734
Lithium	*	1.4	3.0		**8.4**	µg/L	5	11/08/2024 16:49	230734
Molybdenum	NELAP	0.6	1.5	J	**1.0**	µg/L	5	11/08/2024 16:49	230734
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/08/2024 16:49	230734
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/08/2024 16:49	230734
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/06/2024 10:24	230733

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-079 **Client Sample ID:** G405

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 10:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.05**	ft	1	11/04/2024 10:21	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**38**	NTU	1	11/04/2024 10:21	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**1**	mV	1	11/04/2024 10:21	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1530**	µS/cm	1	11/04/2024 10:21	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.7**	°C	1	11/04/2024 10:21	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.20**	mg/L	1	11/04/2024 10:21	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**6.71**		1	11/04/2024 10:21	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**294**	mg/L	1	11/05/2024 12:13	R355706
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/05/2024 12:13	R355706
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1820**	mg/L	1	11/07/2024 13:01	R355895
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.34**	mg/L	10	11/06/2024 2:22	R355616
Chloride	NELAP	1.00	5.00		**23.7**	mg/L	10	11/06/2024 2:22	R355616
Sulfate	NELAP	3.00	10.0		**994**	mg/L	10	11/06/2024 2:22	R355616
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**253**	mg/L	1	11/06/2024 16:00	230734
Magnesium	NELAP	0.006	0.050		**112**	mg/L	1	11/06/2024 16:00	230734
Potassium	NELAP	0.040	0.100		**0.559**	mg/L	1	11/06/2024 16:00	230734
Sodium	NELAP	0.018	0.050		**108**	mg/L	1	11/07/2024 13:34	230734
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	**0.5**	µg/L	5	11/15/2024 20:03	230734
Arsenic	NELAP	0.4	1.0	J	**0.8**	µg/L	5	11/08/2024 16:55	230734
Barium	NELAP	0.7	1.0		**15.1**	µg/L	5	11/13/2024 16:24	230734
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/08/2024 16:55	230734
Boron	NELAP	9.2	20.0		**10700**	µg/L	5	11/08/2024 16:55	230734
Cadmium	NELAP	0.2	1.0	J	**0.2**	µg/L	5	11/08/2024 16:55	230734
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/08/2024 16:55	230734
Cobalt	NELAP	0.1	1.0		**1.0**	µg/L	5	11/08/2024 16:55	230734
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/08/2024 16:55	230734
Lithium	*	1.4	3.0		**3.6**	µg/L	5	11/08/2024 16:55	230734
Molybdenum	NELAP	0.6	1.5	J	**1.0**	µg/L	5	11/08/2024 16:55	230734
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/08/2024 16:55	230734
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/08/2024 16:55	230734
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/06/2024 10:26	230733

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-080 **Client Sample ID:** G406

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 12:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**12.39**	ft	1	11/04/2024 12:46	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**4.5**	NTU	1	11/04/2024 12:46	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**107**	mV	1	11/04/2024 12:46	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**996**	µS/cm	1	11/04/2024 12:46	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.4**	°C	1	11/04/2024 12:46	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.30**	mg/L	1	11/04/2024 12:46	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**6.39**		1	11/04/2024 12:46	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**292**	mg/L	1	11/05/2024 12:19	R355706
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/05/2024 12:19	R355706
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1060**	mg/L	1	11/07/2024 13:01	R355895
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.21**	mg/L	10	11/06/2024 3:08	R355616
Chloride	NELAP	1.0	5.0	J	**3.4**	mg/L	10	11/06/2024 3:08	R355616
Sulfate	NELAP	3.00	10.0		**508**	mg/L	10	11/06/2024 3:08	R355616
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**195**	mg/L	1	11/06/2024 16:01	230734
Magnesium	NELAP	0.006	0.050		**62.2**	mg/L	1	11/06/2024 16:01	230734
Potassium	NELAP	0.040	0.100		**0.267**	mg/L	1	11/06/2024 16:01	230734
Sodium	NELAP	0.018	0.050		**32.6**	mg/L	1	11/07/2024 13:44	230734
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/15/2024 20:07	230734
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/08/2024 17:01	230734
Barium	NELAP	0.7	1.0		**13.1**	µg/L	5	11/13/2024 16:30	230734
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/08/2024 17:01	230734
Boron	NELAP	9.2	20.0		**1530**	µg/L	5	11/08/2024 17:01	230734
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/08/2024 17:01	230734
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/08/2024 17:01	230734
Cobalt	NELAP	0.1	1.0	J	**0.7**	µg/L	5	11/08/2024 17:01	230734
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/08/2024 17:01	230734
Lithium	*	1.4	3.0		**12.3**	µg/L	5	11/08/2024 17:01	230734
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	11/08/2024 17:01	230734
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/08/2024 17:01	230734
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/08/2024 17:01	230734
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/06/2024 10:28	230733

Teklab, Inc. Environmental Laboratory

Laboratory Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-081 **Client Sample ID:** G407

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.52**	ft	1	11/04/2024 13:40	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		**2.6**	NTU	1	11/04/2024 13:40	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		**29**	mV	1	11/04/2024 13:40	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		**1710**	µS/cm	1	11/04/2024 13:40	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		**17.3**	°C	1	11/04/2024 13:40	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		**1.43**	mg/L	1	11/04/2024 13:40	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		**6.57**		1	11/04/2024 13:40	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		**486**	mg/L	1	11/05/2024 12:26	R355706
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/05/2024 12:26	R355706
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**1830**	mg/L	1	11/07/2024 13:02	R355895
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	**0.23**	mg/L	10	11/06/2024 3:20	R355616
Chloride	NELAP	1.00	5.00		**10.0**	mg/L	10	11/06/2024 3:20	R355616
Sulfate	NELAP	3.00	10.0		**977**	mg/L	10	11/06/2024 3:20	R355616
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**265**	mg/L	1	11/06/2024 16:02	230734
Magnesium	NELAP	0.006	0.050		**171**	mg/L	1	11/06/2024 16:02	230734
Potassium	NELAP	0.040	0.100		**2.99**	mg/L	1	11/06/2024 16:02	230734
Sodium	NELAP	0.018	0.050		**87.4**	mg/L	1	11/07/2024 13:45	230734
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/15/2024 20:11	230734
Arsenic	NELAP	0.4	1.0	J	**0.5**	µg/L	5	11/08/2024 17:07	230734
Barium	NELAP	0.7	1.0		**13.6**	µg/L	5	11/13/2024 16:36	230734
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/08/2024 17:07	230734
Boron	NELAP	9.2	20.0		**91.7**	µg/L	5	11/08/2024 17:07	230734
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/08/2024 17:07	230734
Chromium	NELAP	0.7	1.5	J	**1.2**	µg/L	5	11/08/2024 17:07	230734
Cobalt	NELAP	0.1	1.0	J	**0.7**	µg/L	5	11/08/2024 17:07	230734
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/08/2024 17:07	230734
Lithium	*	1.4	3.0		**44.8**	µg/L	5	11/08/2024 17:07	230734
Molybdenum	NELAP	0.6	1.5		**1.8**	µg/L	5	11/13/2024 16:36	230734
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/08/2024 17:07	230734
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/08/2024 17:07	230734
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/06/2024 10:31	230733

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24
Lab ID: 24101589-089
Client Sample ID: SG-02
Matrix: GROUNDWATER
Collection Date: 10/29/2024 9:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**6.17**	ft	1	10/29/2024 9:56	R356135

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24
Lab ID: 24101589-090
Client Sample ID: SG-03
Matrix: GROUNDWATER
Collection Date: 10/29/2024 9:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		**9.72**	ft	1	10/29/2024 9:49	R356135

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

Lab ID: 24101589-095 **Client Sample ID:** Field Blank

Matrix: AQUEOUS **Collection Date:** 11/07/2024 12:55

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		**1**	mg/L	1	11/11/2024 9:42	R355953
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		**0**	mg/L	1	11/11/2024 9:42	R355953
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		**< 20**	mg/L	1	11/12/2024 14:45	R356118
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		**ND**	mg/L	10	11/08/2024 23:36	R355845
Chloride	NELAP	1.00	5.00		**ND**	mg/L	10	11/08/2024 23:36	R355845
Sulfate	NELAP	3.00	10.0		**ND**	mg/L	10	11/08/2024 23:36	R355845
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		**< 0.100**	mg/L	1	11/11/2024 16:21	230949
Magnesium	NELAP	0.006	0.050		**< 0.050**	mg/L	1	11/11/2024 16:21	230949
Potassium	NELAP	0.040	0.100		**< 0.100**	mg/L	1	11/13/2024 11:18	230949
Sodium	NELAP	0.018	0.050	B	**< 0.050**	mg/L	1	11/13/2024 11:18	230949
Contamination present in the MBLK for Na. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/16/2024 9:28	230949
Arsenic	NELAP	0.4	1.0		**< 1.0**	µg/L	5	11/15/2024 0:50	230949
Barium	NELAP	0.7	1.0		**< 1.0**	µg/L	5	11/19/2024 5:23	230949
Beryllium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/15/2024 0:50	230949
Boron	NELAP	9.2	20.0		**< 20.0**	µg/L	5	12/11/2024 12:53	232040
Cadmium	NELAP	0.2	1.0		**< 1.0**	µg/L	5	11/15/2024 0:50	230949
Chromium	NELAP	0.7	1.5		**< 1.5**	µg/L	5	11/15/2024 0:50	230949
Cobalt	NELAP	0.1	1.0		**< 1.0**	µg/L	5	11/15/2024 0:50	230949
Lead	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/16/2024 9:28	230949
Lithium	*	1.4	3.0		**< 3.0**	µg/L	5	11/15/2024 0:50	230949
Molybdenum	NELAP	0.6	1.5		**< 1.5**	µg/L	5	11/16/2024 9:28	230949
Selenium	NELAP	0.6	1.0		**< 1.0**	µg/L	5	11/15/2024 0:50	230949
Thallium	NELAP	1.0	2.0		**< 2.0**	µg/L	5	11/15/2024 0:50	230949
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		**< 0.20**	µg/L	1	11/12/2024 17:00	230944

Sample Summary

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24101589-001	AP2D	Groundwater	3	11/07/2024 12:45
24101589-002	G1001	Groundwater	2	11/07/2024 11:18
24101589-003	G1003	Groundwater	2	
24101589-044	G270	Groundwater	6	10/29/2024 14:01
24101589-055	G280	Groundwater	6	10/30/2024 12:14
24101589-056	G281	Groundwater	5	10/30/2024 14:25
24101589-075	G401	Groundwater	5	11/06/2024 10:36
24101589-076	G402	Groundwater	5	11/04/2024 11:57
24101589-077	G403	Groundwater	5	11/04/2024 11:06
24101589-078	G404	Groundwater	5	11/04/2024 10:40
24101589-079	G405	Groundwater	5	11/04/2024 10:21
24101589-080	G406	Groundwater	5	11/04/2024 12:46
24101589-081	G407	Groundwater	5	11/04/2024 13:40
24101589-089	SG-02	Groundwater	1	10/29/2024 9:56
24101589-090	SG-03	Groundwater	1	10/29/2024 9:49
24101589-095	Field Blank	Aqueous	13	11/07/2024 12:55

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 2510 B FIELD

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	10/29/2024

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	10/29/2024

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-1-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	11/04/2024

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	10/30/2024

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-JC

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	10/30/2024

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-2-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	11/06/2024

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-3-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.5	90	110	10/31/2024

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-3-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	10/31/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 2510 B FIELD

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-3-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	11/07/2024

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-4-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.5	90	110	11/04/2024

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-4-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	99.9	90	110	11/04/2024

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-5-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.0	90	110	11/07/2024

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-5-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1410**	1412	0	100.1	90	110	11/06/2024

Batch R356135 **SampType:** LCS Units **µS/cm**
SampID: LCS-6-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		**1420**	1412	0	100.4	90	110	11/07/2024

SW-846 9040B FIELD

Batch R356135 **SampType:** LCS Units
SampID: LCS-1-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	10/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 9040B FIELD

Batch R356135 **SampType:** LCS Units

SampID: LCS-1-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	10/29/2024

Batch R356135 **SampType:** LCS Units

SampID: LCS-1-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.09**	7.000	0	101.3	98.57	101.4	11/04/2024

Batch R356135 **SampType:** LCS Units

SampID: LCS-2-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	10/30/2024

Batch R356135 **SampType:** LCS Units

SampID: LCS-2-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.02**	7.000	0	100.3	98.57	101.4	10/30/2024

Batch R356135 **SampType:** LCS Units

SampID: LCS-2-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.06**	7.000	0	100.9	98.57	101.4	11/06/2024

Batch R356135 **SampType:** LCS Units

SampID: LCS-3-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.99**	7.000	0	99.9	98.57	101.4	10/31/2024

Batch R356135 **SampType:** LCS Units

SampID: LCS-3-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	10/31/2024

Batch R356135 **SampType:** LCS Units

SampID: LCS-3-TC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.04**	7.000	0	100.6	98.57	101.4	11/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 9040B FIELD

Batch R356135 **SampType:** LCS Units

SampID: LCS-4-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.00**	7.000	0	100.0	98.57	101.4	11/04/2024

Batch R356135 **SampType:** LCS Units

SampID: LCS-4-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.99**	7.000	0	99.9	98.57	101.4	11/04/2024

Batch R356135 **SampType:** LCS Units

SampID: LCS-5-BG

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.99**	7.000	0	99.9	98.57	101.4	11/07/2024

Batch R356135 **SampType:** LCS Units

SampID: LCS-5-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**6.98**	7.000	0	99.7	98.57	101.4	11/06/2024

Batch R356135 **SampType:** LCS Units

SampID: LCS-6-JC

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		**7.01**	7.000	0	100.1	98.57	101.4	11/07/2024

EPA 1664A

Batch R356145 **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	11/13/2024

Batch R356145 **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		**33**	40.00	0	83.0	78	114	11/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 1664A

Batch R356145 **SampType:** MS Units **mg/L**
SampID: 24111080-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		7	S	**21**	57.36	0	36.0	78	114	11/13/2024

EPA 600 350.1 (TOTAL)

Batch R355388 **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	10/30/2024

Batch R355388 **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	101.7	90	110	10/30/2024

Batch R355388 **SampType:** MS Units **mg/L**
SampID: 24102546-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.78**	2.000	0.09100	84.3	90	110	10/30/2024

Batch R355388 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102546-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.78**	2.000	0.09100	84.2	1.777	0.11	10/30/2024

Batch R355388 **SampType:** MS Units **mg/L**
SampID: 24102587-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.50		**13.3**	10.00	4.019	92.5	90	110	10/30/2024

Batch R355388 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102587-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.50		**13.2**	10.00	4.019	91.6	13.27	0.66	10/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355388 **SampType:** MS Units **mg/L**
SampID: 24102613-002DMS

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	0.1390	92.2	90	110	10/30/2024

Batch R355388 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102613-002DMSD

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	0.1390	91.5	1.984	0.76	10/30/2024

Batch R355433 **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	10/30/2024

Batch R355433 **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		**1.06**	1.000	0	105.6	90	110	10/30/2024

Batch R355468 **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	10/31/2024

Batch R355468 **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		**1.05**	1.000	0	104.9	90	110	10/31/2024

Batch R355468 **SampType:** MS Units **mg/L**
SampID: 24102625-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.82**	2.000	0	91.0	90	110	10/31/2024

Batch R355468 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102625-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.84**	2.000	0	92.2	1.820	1.26	10/31/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355468 **SampType:** MS Units **mg/L**
SampID: 24102664-002BMS

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	0.05400	93.2	90	110	10/31/2024

Batch R355468 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102664-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.98**	2.000	0.05400	96.2	1.918	3.08	10/31/2024

Batch R355628 **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	11/04/2024

Batch R355628 **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	103.5	90	110	11/04/2024

Batch R355628 **SampType:** MS Units **mg/L**
SampID: 24102666-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.44**	2.000	1.576	93.1	90	110	11/04/2024

Batch R355628 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102666-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.43**	2.000	1.576	92.6	3.438	0.29	11/04/2024

Batch R355628 **SampType:** MS Units **mg/L**
SampID: 24102678-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**6.92**	4.000	3.340	89.4	90	110	11/04/2024

Batch R355628 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102678-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**6.93**	4.000	3.340	89.8	6.915	0.23	11/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355628 **SampType:** MS Units **mg/L**
SampID: 24110053-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.77**	2.000	0	88.4	90	110	11/04/2024

Batch R355628 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110053-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.81**	2.000	0	90.4	1.768	2.29	11/04/2024

Batch R355628 **SampType:** MS Units **mg/L**
SampID: 24110191-001EMS

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	11/04/2024

Batch R355628 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110191-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.78**	2.000	0	89.0	1.800	1.17	11/04/2024

Batch R355747 **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	11/06/2024

Batch R355747 **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		**1.07**	1.000	0	106.9	90	110	11/06/2024

Batch R355747 **SampType:** MS Units **mg/L**
SampID: 24102775-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**4.28**	4.000	0.5150	94.2	90	110	11/06/2024

Batch R355747 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102775-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**4.29**	4.000	0.5150	94.3	4.284	0.05	11/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355747 **SampType:** MS Units **mg/L**
SampID: 24102802-003HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**4.61**	4.000	0.8620	93.7	90	110	11/06/2024

Batch R355747 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102802-003HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**4.60**	4.000	0.8620	93.5	4.608	0.13	11/06/2024

Batch R355747 **SampType:** MS Units **mg/L**
SampID: 24110049-013CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**3.80**	4.000	0.2170	89.4	90	110	11/06/2024

Batch R355747 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110049-013CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20	S	**3.81**	4.000	0.2170	89.7	3.795	0.29	11/06/2024

Batch R355747 **SampType:** MS Units **mg/L**
SampID: 24110138-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**23.1**	20.00	4.214	94.3	90	110	11/06/2024

Batch R355747 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110138-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**23.0**	20.00	4.214	94.1	23.08	0.20	11/06/2024

Batch R355747 **SampType:** MS Units **mg/L**
SampID: 24110232-001HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0.03900	91.4	90	110	11/06/2024

Batch R355747 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110232-001HMSD

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	0.03900	93.0	1.868	1.59	11/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355747 **SampType:** MS Units **mg/L**
SampID: 24110234-001GMS

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	0.03200	91.2	90	110	11/06/2024

Batch R355747 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110234-001GMSD

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	0.03200	92.4	1.857	1.28	11/06/2024

Batch R355747 **SampType:** MS Units **mg/L**
SampID: 24110342-003HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.87**	2.000	0.04000	91.4	90	110	11/06/2024

Batch R355747 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110342-003HMSD

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	0.04000	91.0	1.867	0.43	11/06/2024

Batch R355897 **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	11/08/2024

Batch R355897 **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		**1.08**	1.000	0	108.3	90	110	11/08/2024

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24110124-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		50.0		**1160**	1000	200.3	95.7	90	110	11/08/2024

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110124-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		50.0		**1150**	1000	200.3	94.9	1158	0.67	11/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24110458-001HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.96**	2.000	0.04600	95.7	90	110	11/08/2024

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110458-001HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.92**	2.000	0.04600	93.8	1.960	1.96	11/08/2024

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24110499-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.22**	2.000	0.2990	95.8	90	110	11/08/2024

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110499-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.12**	2.000	0.2990	91.0	2.215	4.38	11/08/2024

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24110515-002GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.97**	2.000	0.07700	94.8	90	110	11/08/2024

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110515-002GMSD

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	0.07700	91.4	1.972	3.51	11/08/2024

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24110533-007BMS

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	95.8	90	110	11/08/2024

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110533-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.94**	2.000	0	97.0	1.915	1.35	11/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24110564-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.22**	2.000	1.244	98.7	90	110	11/08/2024

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110564-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**3.20**	2.000	1.244	97.8	3.218	0.56	11/08/2024

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24110570-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.58**	2.000	0.6670	95.8	90	110	11/08/2024

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110570-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.58**	2.000	0.6670	95.9	2.582	0.12	11/08/2024

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24110673-004DMS

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	0.04000	92.3	90	110	11/08/2024

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110673-004DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.94**	2.000	0.04000	94.9	1.886	2.72	11/08/2024

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24110704-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.91**	2.000	1.020	94.4	90	110	11/08/2024

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110704-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.91**	2.000	1.020	94.4	2.908	0.00	11/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355983 **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	11/07/2024

Batch R355983 **SampType:** MBLK Units **mg/L**
SampID: 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	11/07/2024

Batch R355983 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**0.98**	1.000	0	98.0	90	110	11/07/2024

Batch R355990 **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	11/11/2024

Batch R355990 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**0.98**	1.000	0	98.1	90	110	11/11/2024

Batch R355990 **SampType:** MS Units **mg/L**
SampID: 24110766-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.19**	2.000	0.2462	97.0	90	110	11/11/2024

Batch R355990 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110766-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.16**	2.000	0.2462	95.9	2.186	1.03	11/11/2024

Batch R355990 **SampType:** MS Units **mg/L**
SampID: 24110767-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.83**	2.000	0.05150	89.0	90	110	11/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355990 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110767-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.84**	2.000	0.05150	89.4	1.831	0.47	11/11/2024

Batch R355990 **SampType:** MS Units **mg/L**
SampID: 24110880-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**3.71**	4.000	0.06410	91.1	90	110	11/11/2024

Batch R355990 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110880-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**3.75**	4.000	0.06410	92.0	3.708	1.00	11/11/2024

Batch R355990 **SampType:** MS Units **mg/L**
SampID: 24110893-001EMS

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	11/11/2024

Batch R355990 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110893-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.89**	2.000	0	94.6	1.891	0.07	11/11/2024

Batch R356170 **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	11/13/2024

Batch R356170 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**0.98**	1.000	0	98.1	90	110	11/13/2024

Batch R356170 **SampType:** MS Units **mg/L**
SampID: 24111039-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.76**	2.000	0.09950	83.0	90	110	11/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R356170 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24111039-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.76**	2.000	0.09950	82.9	1.760	0.11	11/13/2024

Batch R356170 **SampType:** MS Units **mg/L**
SampID: 24111056-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**22.5**	20.00	4.027	92.2	90	110	11/13/2024

Batch R356170 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24111056-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**22.6**	20.00	4.027	93.0	22.47	0.66	11/13/2024

Batch R357003 **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	12/02/2024

Batch R357003 **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		**1.10**	1.000	0	109.7	90	110	12/02/2024

Batch R357003 **SampType:** MS Units **mg/L**
SampID: 24111395-008DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**35.6**	20.00	16.98	93.1	90	110	12/02/2024

Batch R357003 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24111395-008DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00		**35.6**	20.00	16.98	92.9	35.60	0.11	12/02/2024

Batch R357003 **SampType:** MS Units **mg/L**
SampID: 24111493-009HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		50.0		**1590**	1000	693.7	90.1	90	110	12/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R357003 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24111493-009HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		50.0	S	**1580**	1000	693.7	88.8	1595	0.83	12/03/2024

Batch R357003 **SampType:** MS Units **mg/L**
SampID: 24111939-003HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**3.96**	4.000	0.2052	93.8	90	110	12/02/2024

Batch R357003 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24111939-003HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**3.99**	4.000	0.2052	94.7	3.957	0.94	12/02/2024

Batch R357003 **SampType:** MS Units **mg/L**
SampID: 24111941-003HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**5.25**	4.000	1.582	91.8	90	110	12/02/2024

Batch R357003 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24111941-003HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**5.35**	4.000	1.582	94.3	5.254	1.87	12/02/2024

Batch R357003 **SampType:** MS Units **mg/L**
SampID: 24112014-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**3.93**	4.000	0.2235	92.6	90	110	12/02/2024

Batch R357003 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24112014-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**3.92**	4.000	0.2235	92.4	3.926	0.18	12/02/2024

Batch R357003 **SampType:** MS Units **mg/L**
SampID: 24112195-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.97**	2.000	0.1298	92.0	90	110	12/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R357003 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24112195-006AMSD

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	0.1298	92.0	1.970	0.04	12/02/2024

Batch R357003 **SampType:** MS Units **mg/L**
SampID: 24112379-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.84**	2.000	0.03300	90.5	90	110	12/03/2024

Batch R357003 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24112379-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.84**	2.000	0.03300	90.6	1.844	0.06	12/03/2024

Batch R357003 **SampType:** MS Units **mg/L**
SampID: 24120014-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.50		**22.5**	10.00	13.07	94.0	90	110	12/03/2024

Batch R357003 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24120014-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.50		**23.2**	10.00	13.07	100.9	22.47	3.06	12/03/2024

Batch R357003 **SampType:** MS Units **mg/L**
SampID: 24120076-001EMS

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	92.7	90	110	12/03/2024

Batch R357003 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24120076-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.82**	2.000	0	91.1	1.854	1.75	12/03/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

EPA 600 365.4 (TOTAL)

Batch 230974 **SampType:** MBLK Units **mg/L**
SampID: MBLK 241108 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	11/11/2024

Batch 230974 **SampType:** LCS Units **mg/L**
SampID: LCS 241108 TP1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**0.932**	1.000	0	93.2	85	115	11/11/2024

Batch 230974 **SampType:** MS Units **mg/L**
SampID: 24110507-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**3.17**	1.000	2.223	94.9	85	115	11/11/2024

Batch 230974 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110507-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)		0.100		**3.11**	1.000	2.223	89.1	3.172	1.85	11/11/2024

Batch 230974 **SampType:** MS Units **mg/L**
SampID: 24110510-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.17**	1.000	0.2150	95.7	85	115	11/11/2024

Batch 230974 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110510-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)		0.100		**1.21**	1.000	0.2150	99.3	1.172	3.03	11/11/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R355707 **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	11/04/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/04/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R355707 **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		**954**	1000	0	95.4	90	110	11/04/2024
Total Dissolved Solids		20		**958**	1000	0	95.8	90	110	11/04/2024
Total Dissolved Solids		20		**930**	1000	0	93.0	90	110	11/04/2024

Batch R355707 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101589-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**468**				470.0	0.43	11/04/2024

Batch R355707 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101589-025ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**424**				424.0	0.00	11/04/2024

Batch R355707 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24102707-006ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		100		**670**				660.0	1.50	11/04/2024

Batch R355835 **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	11/06/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/06/2024

Batch R355835 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**936**	1000	0	93.6	90	110	11/06/2024
Total Dissolved Solids		20		**936**	1000	0	93.6	90	110	11/06/2024

Batch R355835 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101589-004ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**520**				534.0	2.66	11/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R355835 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24101589-045ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**636**				658.0	3.40	11/06/2024

Batch R355895 **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	11/07/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/07/2024

Batch R355895 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**984**	1000	0	98.4	90	110	11/07/2024
Total Dissolved Solids		20		**1010**	1000	0	100.6	90	110	11/07/2024

Batch R355895 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24101589-081ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1830**				1828	0.11	11/07/2024

Batch R355895 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24102207-021ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1150**				1210	5.08	11/07/2024

Batch R356046 **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	11/11/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/11/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R356046 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**978**	1000	0	97.8	90	110	11/11/2024
Total Dissolved Solids		20		**1010**	1000	0	101.2	90	110	11/11/2024
Total Dissolved Solids		20		**990**	1000	0	99.0	90	110	11/11/2024

Batch R356046 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101589-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1820**				1836	0.99	11/11/2024

Batch R356046 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24110522-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200		**5800**				6140	5.70	11/11/2024

Batch R356046 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24110735-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**1000**				978.0	2.62	11/11/2024

Batch R356046 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24110736-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200		**28100**				27380	2.60	11/11/2024

Batch R356118 **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	11/12/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/12/2024

Batch R356118 **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	11/12/2024
Total Dissolved Solids		20		**984**	1000	0	98.4	90	110	11/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

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Batch R356118 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24101589-060ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		**880**				872.0	0.91	11/12/2024

Batch R356118 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24110559-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		200		**3060**				2820	8.16	11/12/2024

Batch R356118 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24110581-007ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**610**				576.0	5.73	11/12/2024

Batch R356185 **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	11/13/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	11/13/2024

Batch R356185 **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		**1010**	1000	0	100.8	90	110	11/13/2024
Total Dissolved Solids		20		**968**	1000	0	96.8	90	110	11/13/2024

Batch R356185 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24100635-014ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**550**				568.0	3.22	11/13/2024

Batch R356185 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24110016-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		33		**1050**				1082	3.45	11/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R356185 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24110581-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**312**				328.0	5.00	11/13/2024

Batch R357166 **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	12/04/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	12/04/2024
Total Dissolved Solids		20		**< 20**	16.00	0	0	-100	100	12/04/2024

Batch R357166 **SampType:** LCS Units **mg/L**

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		**904**	1000	0	90.4	90	110	12/04/2024
Total Dissolved Solids		20		**984**	1000	0	98.4	90	110	12/04/2024
Total Dissolved Solids		20		**950**	1000	0	95.0	90	110	12/04/2024

Batch R357166 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24101589-010ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**388**				408.0	5.03	12/04/2024

Batch R357166 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24101589-011ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**574**				540.0	6.10	12/04/2024

Batch R357166 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24101589-012ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**504**				544.0	7.63	12/04/2024

Batch R357166 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24112335-002ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**406**				380.0	6.62	12/04/2024

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Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R357166 **SampType:** DUP Units **mg/L** RPD Limit **10**

SampID: 24112335-020ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20	H	**396**				382.0	3.60	12/04/2024

STANDARD METHODS 2540 D 1997, 2011

Batch R356019 **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	11/12/2024
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	11/12/2024
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	11/12/2024
Total Suspended Solids		6		**< 6**	4.000	0	0	-100	100	11/12/2024
Total Suspended Solids	*	0.5		**< 0.5**	0.3000	0	0	-100	100	11/12/2024

Batch R356019 **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		**99**	100.0	0	99.0	85	115	11/12/2024
Total Suspended Solids		6		**95**	100.0	0	95.0	85	115	11/12/2024
Total Suspended Solids		6		**96**	100.0	0	96.0	85	115	11/12/2024
Total Suspended Solids		6		**112**	100.0	0	112.0	85	115	11/12/2024
Total Suspended Solids		6		**102**	100.0	0	102.0	85	115	11/12/2024

Batch R356019 **SampType:** DUP Units **mg/L** RPD Limit **5**

SampID: 24110590-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	11/12/2024

Batch R356019 **SampType:** DUP Units **mg/L** RPD Limit **5**

SampID: 24110627-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**48**				48.00	0.00	11/12/2024

Batch R356019 **SampType:** DUP Units **mg/L** RPD Limit **5**

SampID: 24110685-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**27**				28.00	3.64	11/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

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Batch R356019 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24110698-002BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**20**				21.00	4.88	11/12/2024

Batch R356019 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24110772-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6	R	**8**				10.00	22.22	11/12/2024

Batch R356019 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24110783-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**53**				54.00	1.87	11/12/2024

Batch R356019 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24110893-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		**< 6**				0	0.00	11/12/2024

Batch R356019 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24110894-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids	*	0.9		**4.0**				4.000	0.62	11/12/2024

Batch R356019 **SampType:** DUP Units **mg/L** RPD Limit **5**
SampID: 24110902-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		12		**100**				100.0	0.00	11/12/2024

STANDARD METHODS 4500-NH3 G (DISSOLVED) 1997, 2011

Batch R355388 **SampType:** MS Units **mg/L**
SampID: 24101589-091EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.77**	2.000	0	88.6	90	110	10/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NH3 G (DISSOLVED) 1997, 2011

Batch R355388 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-091EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.78**	2.000	0	89.1	1.771	0.62	10/30/2024

Batch R355468 **SampType:** MS Units **mg/L**
SampID: 24101589-006GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.83**	2.000	0	91.4	90	110	10/31/2024

Batch R355468 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-006GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.82**	2.000	0	91.0	1.829	0.44	10/31/2024

Batch R355628 **SampType:** MS Units **mg/L**
SampID: 24101589-004EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.75**	2.000	0	87.4	90	110	11/04/2024

Batch R355628 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-004EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.76**	2.000	0	87.8	1.748	0.46	11/04/2024

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24102205-009GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.73**	2.000	0.8680	93.3	90	110	11/08/2024

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102205-009GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.74**	2.000	0.8680	93.7	2.734	0.29	11/08/2024

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24102207-021GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.73**	2.000	0.8650	93.2	90	110	11/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NH3 G (DISSOLVED) 1997, 2011

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102207-021GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.73**	2.000	0.8650	93.4	2.728	0.22	11/08/2024

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24110554-003EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.82**	2.000	0	91.0	90	110	11/08/2024

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110554-003EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**1.84**	2.000	0	91.8	1.821	0.87	11/08/2024

Batch R355897 **SampType:** MS Units **mg/L**
SampID: 24110554-007EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.77**	2.000	0	88.6	90	110	11/08/2024

Batch R355897 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110554-007EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10	S	**1.80**	2.000	0	89.9	1.771	1.51	11/08/2024

Batch R355990 **SampType:** MS Units **mg/L**
SampID: 24102207-005GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.12**	2.000	0.3041	90.8	90	110	11/11/2024

Batch R355990 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102207-005GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.12**	2.000	0.3041	90.9	2.120	0.10	11/11/2024

Batch R356170 **SampType:** MS Units **mg/L**
SampID: 24102206-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.52**	2.000	0.6999	91.0	90	110	11/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NH3 G (DISSOLVED) 1997, 2011

Batch R356170 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102206-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		**2.53**	2.000	0.6999	91.6	2.520	0.49	11/13/2024

Batch R356170 **SampType:** MS Units **mg/L**
SampID: 24102207-018GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**3.99**	4.000	0.2819	92.6	90	110	11/13/2024

Batch R356170 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102207-018GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**3.97**	4.000	0.2819	92.3	3.987	0.36	11/13/2024

Batch R356170 **SampType:** MS Units **mg/L**
SampID: 24110708-005GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**4.05**	4.000	0.3991	91.3	90	110	11/13/2024

Batch R356170 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110708-005GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**4.03**	4.000	0.3991	90.7	4.052	0.61	11/13/2024

Batch R356170 **SampType:** MS Units **mg/L**
SampID: 24110810-002GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**3.80**	4.000	0.2010	90.0	90	110	11/13/2024

Batch R356170 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110810-002GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.20		**3.81**	4.000	0.2010	90.2	3.799	0.30	11/13/2024

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Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R355315 **SampType:** MS Units **mg/L**
SampID: 24101589-010BMS

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	10/29/2024

Batch R355315 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-010BMSD

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	100.2	0.5010	0.00	10/29/2024

Batch R355315 **SampType:** MS Units **mg/L**
SampID: 24101589-092BMS

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	99.6	85	115	10/29/2024

Batch R355315 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-092BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.2	0.4980	0.40	10/29/2024

Batch R355404 **SampType:** MS Units **mg/L**
SampID: 24101589-024BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	96.2	85	115	10/30/2024

Batch R355404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-024BMSD

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	95.6	0.4810	0.63	10/30/2024

Batch R355548 **SampType:** MS Units **mg/L**
SampID: 24110043-001AMS

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	11/01/2024

Batch R355548 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110043-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.0	0.5100	0.00	11/01/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R355692 **SampType:** MS Units **mg/L**
SampID: 24101589-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.2	85	115	11/05/2024

Batch R355692 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0	95.2	0.4760	0.00	11/05/2024

Batch R355821 **SampType:** MS Units **mg/L**
SampID: 24101589-020BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.48**	0.5000	0.005000	94.6	85	115	11/07/2024

Batch R355821 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-020BMSD

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	0.005000	94.2	0.4780	0.42	11/07/2024

Batch R355821 **SampType:** MS Units **mg/L**
SampID: 24102207-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.46**	0.5000	0	92.0	85	115	11/07/2024

Batch R355821 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102207-011BMSD

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	92.6	0.4600	0.65	11/07/2024

Batch R355821 **SampType:** MS Units **mg/L**
SampID: 24110556-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.6	85	115	11/07/2024

Batch R355821 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110556-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.49**	0.5000	0	97.2	0.4880	0.41	11/07/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R355889 **SampType:** MS Units **mg/L**
SampID: 24101589-095DMS

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	100.8	85	115	11/08/2024

Batch R355889 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-095DMSD

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	0.5040	0.59	11/08/2024

Batch R355889 **SampType:** MS Units **mg/L**
SampID: 24102207-003BMS

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	100.0	85	115	11/08/2024

Batch R355889 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102207-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	100.4	0.5000	0.40	11/08/2024

Batch R355889 **SampType:** MS Units **mg/L**
SampID: 24110708-005BMS

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	99.4	85	115	11/08/2024

Batch R355889 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110708-005BMSD

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	98.6	0.4970	0.81	11/08/2024

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R355315 **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	10/29/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/29/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R355315 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.29**	0.3045	0	96.6	90	110	10/29/2024
Nitrogen, Nitrite (as N)		0.05		**0.29**	0.3045	0	96.6	90	110	10/29/2024

Batch R355315 **SampType:** MS Units **mg/L**
SampID: 24102525-001AMS

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	102.6	85	115	10/29/2024

Batch R355315 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102525-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.51**	0.5000	0	102.6	0.5130	0.00	10/29/2024

Batch R355404 **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	10/30/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/30/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	10/30/2024

Batch R355404 **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		**0.28**	0.3045	0	92.0	90	110	10/30/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	96.9	90	110	10/30/2024
Nitrogen, Nitrite (as N)		0.05		**0.29**	0.3045	0	95.9	90	110	10/30/2024

Batch R355404 **SampType:** MS Units **mg/L**
SampID: 24102647-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0.007000	92.8	85	115	10/30/2024

Batch R355404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102647-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0.007000	93.0	0.4710	0.21	10/30/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R355404 **SampType:** MS Units **mg/L**
SampID: 24102650-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	**0.39**	0.5000	0	77.2	85	115	10/30/2024

Batch R355404 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102650-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	SR	**0.26**	0.5000	0	51.8	0.3860	39.38	10/30/2024

Batch R355548 **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	11/01/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	11/01/2024

Batch R355548 **SampType:** LCS Units **mg/L**
SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.29**	0.3045	0	96.6	90	110	11/01/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	96.9	90	110	11/01/2024

Batch R355548 **SampType:** MS Units **mg/L**
SampID: 24110033-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.52**	0.5000	0	104.6	85	115	11/01/2024

Batch R355548 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110033-001AMSD

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	103.6	0.5230	0.96	11/01/2024

Batch R355692 **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	11/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R355692 **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	11/05/2024

Batch R355692 **SampType:** MS Units **mg/L**
SampID: 24110292-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.43**	0.5000	0	86.8	85	115	11/05/2024

Batch R355692 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110292-001AMSD

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	91.2	0.4340	4.94	11/05/2024

Batch R355821 **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	11/07/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	11/07/2024

Batch R355821 **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		**0.28**	0.3045	0	92.9	90	110	11/07/2024
Nitrogen, Nitrite (as N)		0.05		**0.28**	0.3045	0	92.6	90	110	11/07/2024

Batch R355821 **SampType:** MS Units **mg/L**
SampID: 24110557-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	93.6	85	115	11/07/2024

Batch R355821 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110557-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.4	0.4680	0.85	11/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R355821 **SampType:** MS Units **mg/L**
SampID: 24110557-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	93.8	85	115	11/07/2024

Batch R355821 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110557-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.47**	0.5000	0	94.4	0.4690	0.64	11/07/2024

Batch R355821 **SampType:** MS Units **mg/L**
SampID: 24110578-001AMS

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	0.02200	95.6	85	115	11/07/2024

Batch R355821 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110578-001AMSD

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	0.02200	95.0	0.5000	0.60	11/07/2024

Batch R355889 **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	11/08/2024
Nitrogen, Nitrite (as N)		0.05		**< 0.05**	0.0250	0	0	-100	100	11/08/2024

Batch R355889 **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		**0.31**	0.3045	0	100.5	90	110	11/08/2024
Nitrogen, Nitrite (as N)		0.05		**0.30**	0.3045	0	98.5	90	110	11/08/2024

Batch R355889 **SampType:** MS Units **mg/L**
SampID: 24110816-002BMS

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	11/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R355889 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110816-002BMSD

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	0.5110	1.38	11/08/2024

Batch R355889 **SampType:** MS Units **mg/L**
SampID: 24110817-003BMS

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	98.6	85	115	11/08/2024

Batch R355889 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110817-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		**0.50**	0.5000	0	99.0	0.4930	0.40	11/08/2024

STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R355401 **SampType:** MS Units **mg/L**
SampID: 24101589-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.928**	0.2500	0.6750	101.2	85	115	10/29/2024

Batch R355401 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.932**	0.2500	0.6750	102.8	0.9280	0.43	10/29/2024

Batch R355401 **SampType:** MS Units **mg/L**
SampID: 24101589-092BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.221**	0.2500	0	88.4	85	115	10/29/2024

Batch R355401 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-092BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.227**	0.2500	0	90.8	0.2210	2.68	10/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24

STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R355477 **SampType:** MS Units **mg/L**
SampID: 24101589-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.546**	0.2500	0.07500	188.4	85	115	10/30/2024

Batch R355477 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.556**	0.2500	0.07500	192.4	0.5460	1.81	10/30/2024

Batch R355553 **SampType:** MS Units **mg/L**
SampID: 24101589-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.24**	0.5000	0.7490	97.2	85	115	10/31/2024

Batch R355553 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24101589-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**1.22**	0.5000	0.7490	93.8	1.235	1.39	10/31/2024

Batch R355882 **SampType:** MS Units **mg/L**
SampID: 24110556-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.247**	0.2500	0	98.8	85	115	11/07/2024

Batch R355882 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110556-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	SR	**0.358**	0.2500	0	143.2	0.2470	36.69	11/07/2024

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R355401 **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**						10/29/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	10/29/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R355401 **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		**0.533**	0.5000	0	106.6	90	110	10/29/2024

Batch R355401 **SampType:** MS Units **mg/L**
SampID: 24102453-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.70**	2.500	2.185	100.6	90	110	10/29/2024

Batch R355401 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102453-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.75**	2.500	2.185	102.6	4.700	1.08	10/29/2024

Batch R355401 **SampType:** MS Units **mg/L**
SampID: 24102613-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**14.4**	5.000	9.377	101.2	90	110	10/29/2024

Batch R355401 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102613-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		**14.4**	5.000	9.377	100.3	14.44	0.31	10/29/2024

Batch R355477 **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**						10/30/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	10/30/2024

Batch R355477 **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		**0.533**	0.5000	0	106.6	90	110	10/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R355477 **SampType:** MS Units **mg/L**
SampID: 24102647-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**55.6**	25.00	32.86	90.8	90	110	10/30/2024

Batch R355477 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102647-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**56.2**	25.00	32.86	93.2	55.55	1.10	10/30/2024

Batch R355477 **SampType:** MS Units **mg/L**
SampID: 24102657-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**7.75**	2.500	5.334	96.6	90	110	10/30/2024

Batch R355477 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102657-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**7.74**	2.500	5.334	96.0	7.750	0.19	10/30/2024

Batch R355553 **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**						10/31/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	10/31/2024

Batch R355553 **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		**0.478**	0.5000	0	95.6	90	110	10/31/2024

Batch R355553 **SampType:** MS Units **mg/L**
SampID: 24102760-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.310**	0.2500	0.08800	88.8	90	110	10/31/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R355553 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24102760-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.321**	0.2500	0.08800	93.2	0.3100	3.49	10/31/2024

Batch R355573 **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**						11/01/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	11/01/2024

Batch R355573 **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		**0.497**	0.5000	0	99.4	90	110	11/01/2024

Batch R355573 **SampType:** MS Units **mg/L**
SampID: 24110012-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50	H	**28.8**	12.50	16.41	98.9	90	110	11/01/2024

Batch R355573 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110012-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50	H	**29.1**	12.50	16.41	101.9	28.77	1.29	11/01/2024

Batch R355763 **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**						11/05/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	11/05/2024

Batch R355763 **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	11/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R355763 **SampType:** MS Units **mg/L**
SampID: 24110124-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		50.0		**836**	250.0	580.5	102.4	90	110	11/05/2024

Batch R355763 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110124-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		50.0		**837**	250.0	580.5	102.6	836.4	0.06	11/05/2024

Batch R355763 **SampType:** MS Units **mg/L**
SampID: 24110221-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.343**	0.2500	0.07800	106.0	90	110	11/05/2024

Batch R355763 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110221-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.336**	0.2500	0.07800	103.2	0.3430	2.06	11/05/2024

Batch R355763 **SampType:** MS Units **mg/L**
SampID: 24110235-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.388**	0.2500	0.1300	103.2	90	110	11/05/2024

Batch R355763 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110235-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.393**	0.2500	0.1300	105.2	0.3880	1.28	11/05/2024

Batch R355763 **SampType:** MS Units **mg/L**
SampID: 24110337-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.282**	0.2500	0.03700	98.0	90	110	11/05/2024

Batch R355763 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110337-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.293**	0.2500	0.03700	102.4	0.2820	3.83	11/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R355882 **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**						11/07/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	11/07/2024

Batch R355882 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.507**	0.5000	0	101.4	90	110	11/07/2024

Batch R355882 **SampType:** MS Units **mg/L**
SampID: 24110126-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		50.0		**790**	250.0	535.6	101.7	90	110	11/07/2024

Batch R355882 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110126-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		50.0		**800**	250.0	535.6	105.7	790.0	1.25	11/07/2024

Batch R355882 **SampType:** MS Units **mg/L**
SampID: 24110522-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	S	**3.13**	2.500	0	125.3	90	110	11/07/2024

Batch R355882 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110522-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500	R	**2.41**	2.500	0	96.2	3.133	26.25	11/07/2024

Batch R355882 **SampType:** MS Units **mg/L**
SampID: 24110528-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.44**	0.5000	1.951	98.0	90	110	11/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R355882 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110528-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	**2.46**	0.5000	1.951	102.6	2.441	0.94	11/07/2024

Batch R355882 **SampType:** MS Units **mg/L**
SampID: 24110534-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**5.83**	2.500	3.447	95.2	90	110	11/08/2024

Batch R355882 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110534-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**6.08**	2.500	3.447	105.2	5.828	4.20	11/08/2024

Batch R355882 **SampType:** MS Units **mg/L**
SampID: 24110557-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	**0.303**	0.2500	0	121.2	85	115	11/07/2024

Batch R355882 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110557-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	R	**0.242**	0.2500	0	96.8	0.3030	22.39	11/07/2024

Batch R355882 **SampType:** MS Units **mg/L**
SampID: 24110575-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**0.918**	0.5000	0.3860	106.4	90	110	11/08/2024

Batch R355882 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110575-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		**0.922**	0.5000	0.3860	107.2	0.9180	0.43	11/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R355960 **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**						11/08/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		**< 0.050**	0.0090	0	0	-100	100	11/08/2024

Batch R355960 **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		**0.498**	0.5000	0	99.6	90	110	11/08/2024

Batch R355960 **SampType:** MS Units **mg/L**
SampID: 24110406-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.47**	2.500	2.022	98.0	85	115	11/08/2024

Batch R355960 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110406-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		**4.50**	2.500	2.022	99.2	4.472	0.67	11/08/2024

Batch R355960 **SampType:** MS Units **mg/L**
SampID: 24110642-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.432**	0.2500	0.1670	106.0	90	110	11/08/2024

Batch R355960 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110642-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.430**	0.2500	0.1670	105.2	0.4320	0.46	11/08/2024

Batch R355960 **SampType:** MS Units **mg/L**
SampID: 24110697-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		**32.3**	12.50	19.86	99.2	90	110	11/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R355960 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24110697-002AMSD

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	19.86	101.1	32.26	0.72	11/08/2024

Batch R355960 **SampType:** MS Units **mg/L**

SampID: 24110704-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**51.4**	25.00	26.32	100.1	90	110	11/08/2024

Batch R355960 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24110704-002DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**51.7**	25.00	26.32	101.3	51.35	0.58	11/08/2024

Batch R355960 **SampType:** MS Units **mg/L**

SampID: 24110762-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**65.9**	25.00	39.53	105.5	90	110	11/08/2024

Batch R355960 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24110762-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		**64.3**	25.00	39.53	99.2	65.91	2.41	11/08/2024

Batch R355960 **SampType:** MS Units **mg/L**

SampID: 24110816-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.250**	0.2500	0	100.0	85	115	11/08/2024

Batch R355960 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24110816-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.245**	0.2500	0	98.0	0.2500	2.02	11/08/2024

Batch R355960 **SampType:** MS Units **mg/L**

SampID: 24110817-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.230**	0.2500	0	92.0	85	115	11/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R355960 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24110817-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		**0.237**	0.2500	0	94.8	0.2300	3.00	11/08/2024

STANDARD METHODS 5210 B 2001, 2011

Batch 230920 **SampType:** LCS Units **mg/L**

SampID: LCS-BOD-1-110824

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Biochemical Oxygen Demand		100	S	**137**	198.0	0	69.2	84.6	115.4	11/08/2024

Batch 230920 **SampType:** DUP Units **mg/L** RPD Limit **40**

SampID: 24110733-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand		10		**< 10**				0	0.00	11/08/2024

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R355951 **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	11/11/2024

Batch R355951 **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		**113**	112.0	0	101.3	90	110	11/11/2024

Batch R355951 **SampType:** MS Units **mg/L**

SampID: 24110809-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**957**	1000	56.29	90.0	90	110	11/11/2024

Batch R355951 **SampType:** MSD Units **mg/L** RPD Limit **10**

SampID: 24110809-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**961**	1000	56.29	90.5	956.7	0.46	11/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R355951 **SampType:** MS Units **mg/L**
SampID: 24110809-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**944**	1000	39.36	90.4	90	110	11/11/2024

Batch R355951 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110809-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**944**	1000	39.36	90.4	943.5	0.00	11/11/2024

Batch R355951 **SampType:** MS Units **mg/L**
SampID: 24110809-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chemical Oxygen Demand		100		**944**	1000	34.31	90.9	90	110	11/11/2024

Batch R355951 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110809-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand		100		**935**	1000	34.31	90.0	943.5	0.94	11/11/2024

SW-846 7196A

Batch R355901 **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	11/08/2024

Batch R355901 **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		**0.0548**	0.0500	0	109.6	90	110	11/08/2024

Batch R355901 **SampType:** MS Units **µg/L**
SampID: 24101589-084CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		1.00		**52.9**	50.00	3.800	98.2	85	115	11/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 7196A

Batch R355901 **SampType:** MSD Units µg/L RPD Limit 10

SampID: 24101589-084CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium, Hexavalent		1.00		**52.2**	50.00	3.800	96.8	52.90	1.33	11/08/2024

Batch R355901 **SampType:** MS Units µg/L

SampID: 24101589-095CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		1.00		**52.3**	50.00	0	104.6	85	115	11/08/2024

Batch R355901 **SampType:** MS Units µg/L

SampID: 24110710-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		5.00	S	**212**	250.0	0	84.6	85	115	11/08/2024

Batch R355901 **SampType:** MS Units mg/L

SampID: 24110756-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0550**	0.0500	0	110.0	85	115	11/08/2024

Batch R355901 **SampType:** MS Units mg/L

SampID: 24110760-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010		**0.0529**	0.0500	0.001700	102.4	85	115	11/08/2024

Batch R355901 **SampType:** MS Units mg/L

SampID: 24110770-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent		0.0010	H	**0.0495**	0.0500	0	99.0	85	115	11/08/2024

Batch R355901 **SampType:** MS Units mg/L

SampID: 24110773-001AMS

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	11/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 9012A (TOTAL)

Batch 230476 **SampType:** MBLK Units **mg/L**
SampID: MBLK 241030 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	10/31/2024

Batch 230476 **SampType:** LCS Units **mg/L**
SampID: LCS 241030 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.028**	0.0250	0	112.3	90	110	10/31/2024

Batch 230476 **SampType:** MS Units **mg/L**
SampID: 24102599-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.030**	0.0250	0	120.4	90	110	10/31/2024

Batch 230476 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102599-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	S	**0.030**	0.0250	0	120.9	0.03011	0.36	10/31/2024

Batch 230476 **SampType:** MS Units **mg/L**
SampID: 24102599-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.030**	0.0250	0	121.0	90	110	10/31/2024

Batch 230476 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102599-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	S	**0.031**	0.0250	0	123.2	0.03026	1.82	10/31/2024

Batch 230567 **SampType:** MBLK Units **mg/L**
SampID: MBLK 241101 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	11/01/2024

Batch 230567 **SampType:** LCS Units **mg/L**
SampID: LCS 241101 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.6	90	110	11/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 9012A (TOTAL)

Batch 230567 **SampType:** MS Units **mg/L**
SampID: 24101589-012DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.6	75	125	11/01/2024

Batch 230567 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-012DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	107.4	0.02615	2.62	11/01/2024

Batch 230567 **SampType:** MS Units **mg/L**
SampID: 24101589-016DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	104.4	75	125	11/01/2024

Batch 230567 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-016DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	109.2	0.02611	4.47	11/01/2024

Batch 230595 **SampType:** MBLK Units **mg/L**
SampID: MBLK 241101 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	11/03/2024

Batch 230595 **SampType:** LCS Units **mg/L**
SampID: LCS 241101 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	107.4	85	115	11/03/2024

Batch 230595 **SampType:** MS Units **mg/L**
SampID: 24101589-009DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.030**	0.0250	0.003540	104.9	75	125	11/03/2024

Batch 230595 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-009DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.030**	0.0250	0.003540	106.1	0.02976	1.02	11/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 9012A (TOTAL)

Batch 230595 **SampType:** MS Units **mg/L**
SampID: 24101589-017DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0	112.9	75	125	11/03/2024

Batch 230595 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-017DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.027**	0.0250	0	108.8	0.02823	3.73	11/03/2024

Batch 230631 **SampType:** MBLK Units **mg/L**
SampID: MBLK 241102 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	11/04/2024

Batch 230631 **SampType:** LCS Units **mg/L**
SampID: LCS 241102 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	103.1	85	115	11/04/2024

Batch 230631 **SampType:** MS Units **mg/L**
SampID: 24101589-027EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.003385	100.1	75	125	11/04/2024

Batch 230631 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-027EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.028**	0.0250	0.003385	100.0	0.02842	0.11	11/04/2024

Batch 230631 **SampType:** MS Units **mg/L**
SampID: 24101589-037EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	90.9	75	125	11/04/2024

Batch 230631 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-037EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	94.9	0.02272	4.26	11/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 9012A (TOTAL)

Batch 230669 **SampType:** MBLK Units **mg/L**
SampID: MBLK 241104 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	11/05/2024

Batch 230669 **SampType:** LCS Units **mg/L**
SampID: LCS 241104 TCN4

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.022**	0.0250	0	86.8	85	115	11/05/2024

Batch 230670 **SampType:** MBLK Units **mg/L**
SampID: MBLK 241104 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	11/05/2024

Batch 230670 **SampType:** LCS Units **mg/L**
SampID: LCS 241104 TCN5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.022**	0.0250	0	88.7	85	115	11/05/2024

Batch 230730 **SampType:** MBLK Units **mg/L**
SampID: MBLK 241105 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	11/06/2024

Batch 230730 **SampType:** LCS Units **mg/L**
SampID: LCS 241105 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	96.2	90	110	11/06/2024

Batch 230730 **SampType:** MS Units **mg/L**
SampID: 24102742-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025	S	**0.122**	0.1250	0.01000	89.3	90	110	11/06/2024

Batch 230730 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102742-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.132**	0.1250	0.01000	97.3	0.1216	7.90	11/06/2024

Teklab, Inc.
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Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 9012A (TOTAL)

Batch 230730 **SampType:** MS Units **mg/L**
SampID: 24102780-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	**0.015**	0.0250	0	61.1	90	110	11/06/2024

Batch 230730 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102780-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	S	**0.015**	0.0250	0	60.1	0.01528	1.68	11/06/2024

Batch 230730 **SampType:** MS Units **mg/L**
SampID: 24110190-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	94.3	90	110	11/06/2024

Batch 230730 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110190-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	90.6	0.02358	4.05	11/06/2024

Batch 230957 **SampType:** MBLK Units **mg/L**
SampID: MBLK 241108 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	11/11/2024

Batch 230957 **SampType:** LCS Units **mg/L**
SampID: LCS 241108 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	107.1	90	110	11/11/2024

Batch 230957 **SampType:** MS Units **mg/L**
SampID: 24110426-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.149**	0.1250	0.02088	102.6	90	110	11/11/2024

Batch 230957 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110426-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025	S	**0.160**	0.1250	0.02088	111.3	0.1491	7.07	11/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 9012A (TOTAL)

Batch 230957 **SampType:** MS Units µg/L
SampID: 24110475-002EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		5.00		**24.1**	25.00	0	96.2	90	110	11/11/2024

Batch 230957 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24110475-002EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		5.00		**25.4**	25.00	0	101.7	24.06	5.52	11/11/2024

Batch 230958 **SampType:** MBLK Units mg/L
SampID: MBLK 241108 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	11/11/2024

Batch 230958 **SampType:** LCS Units mg/L
SampID: LCS 241108 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	93.1	85	115	11/11/2024

Batch 230958 **SampType:** MS Units mg/L
SampID: 24102205-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.030**	0.0250	0.006420	95.3	75	125	11/11/2024

Batch 230958 **SampType:** MSD Units mg/L RPD Limit 15
SampID: 24102205-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.029**	0.0250	0.006420	92.3	0.03024	2.51	11/11/2024

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355359 **SampType:** MS Units mg/L
SampID: 24101589-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.96**	10.00	0	99.6	80	120	10/30/2024
Chloride		5.00		**237**	200.0	34.99	101.2	80	120	10/30/2024
Sulfate		10.0		**254**	200.0	66.71	93.6	80	120	10/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355359 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.89**	10.00	0	98.9	9.962	0.71	10/30/2024
Chloride		5.00		**236**	200.0	34.99	100.3	237.4	0.75	10/30/2024
Sulfate		10.0		**252**	200.0	66.71	92.8	253.9	0.60	10/30/2024

Batch R355359 **SampType:** MS Units **mg/L**
SampID: 24101589-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.86**	10.00	0	98.6	80	120	10/30/2024
Chloride		5.00		**258**	200.0	55.30	101.4	80	120	10/30/2024
Sulfate		10.0		**281**	200.0	95.16	93.1	80	120	10/30/2024

Batch R355359 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.82**	10.00	0	98.2	9.855	0.36	10/30/2024
Chloride		5.00		**257**	200.0	55.30	100.9	258.0	0.38	10/30/2024
Sulfate		10.0		**281**	200.0	95.16	92.8	281.4	0.22	10/30/2024

Batch R355359 **SampType:** MS Units **mg/L**
SampID: 24101589-012BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.88**	10.00	0.2460	96.3	80	120	10/30/2024
Chloride		5.00		**257**	200.0	55.24	100.8	80	120	10/30/2024
Sulfate		10.0		**277**	200.0	91.00	92.8	80	120	10/30/2024

Batch R355359 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-012BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.91**	10.00	0.2460	96.6	9.879	0.28	10/30/2024
Chloride		5.00		**257**	200.0	55.24	101.0	256.9	0.14	10/30/2024
Sulfate		10.0		**277**	200.0	91.00	92.9	276.6	0.07	10/30/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355425 **SampType:** MS Units **mg/L**
SampID: 24101589-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.75**	10.00	0.2760	94.7	80	120	10/31/2024
Chloride		5.00		**255**	200.0	49.16	103.0	80	120	10/31/2024
Sulfate		10.0		**274**	200.0	83.93	94.8	80	120	10/31/2024

Batch R355425 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.75**	10.00	0.2760	94.8	9.748	0.05	10/31/2024
Chloride		5.00		**255**	200.0	49.16	102.9	255.1	0.06	10/31/2024
Sulfate		10.0		**273**	200.0	83.93	94.7	273.5	0.11	10/31/2024

Batch R355425 **SampType:** MS Units **mg/L**
SampID: 24101589-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.69**	10.00	0.2300	94.6	80	120	10/31/2024
Chloride		5.00		**279**	200.0	71.20	104.1	80	120	10/31/2024
Sulfate		10.0		**235**	200.0	48.10	93.4	80	120	10/31/2024

Batch R355425 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.71**	10.00	0.2300	94.8	9.691	0.18	10/31/2024
Chloride		5.00		**280**	200.0	71.20	104.2	279.3	0.10	10/31/2024
Sulfate		10.0		**235**	200.0	48.10	93.5	234.9	0.08	10/31/2024

Batch R355425 **SampType:** MS Units **mg/L**
SampID: 24101589-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.61**	10.00	0	96.1	80	120	10/31/2024
Chloride		5.00		**284**	200.0	75.36	104.4	80	120	10/31/2024
Sulfate		10.0		**268**	200.0	78.56	94.5	80	120	10/31/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355425 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-019BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.64**	10.00	0	96.4	9.614	0.31	10/31/2024
Chloride		5.00		**284**	200.0	75.36	104.2	284.1	0.15	10/31/2024
Sulfate		10.0		**267**	200.0	78.56	94.4	267.7	0.11	10/31/2024

Batch R355425 **SampType:** MS Units **mg/L**
SampID: 24101589-024BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.86**	10.00	0.3490	95.1	80	120	10/31/2024
Chloride		5.00		**336**	200.0	121.8	107.0	80	120	10/31/2024
Sulfate		10.0		**2220**	200.0	2042	91.2	80	120	10/31/2024

Batch R355425 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-024BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.92**	10.00	0.3490	95.7	9.859	0.62	10/31/2024
Chloride		5.00		**336**	200.0	121.8	106.9	335.8	0.09	10/31/2024
Sulfate		10.0		**2210**	200.0	2042	82.6	2225	0.77	10/31/2024

Batch R355512 **SampType:** MS Units **mg/L**
SampID: 24101589-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.56**	10.00	0	95.6	80	120	11/02/2024
Chloride		5.00		**290**	200.0	79.58	105.3	80	120	11/02/2024
Sulfate		10.0		**268**	200.0	77.84	95.1	80	120	11/02/2024

Batch R355512 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.65**	10.00	0	96.5	9.558	0.94	11/02/2024
Chloride		5.00		**292**	200.0	79.58	106.3	290.1	0.74	11/02/2024
Sulfate		10.0		**270**	200.0	77.84	96.1	268.1	0.74	11/02/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355512 **SampType:** MS Units **mg/L**
SampID: 24101589-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.84**	10.00	0	98.4	80	120	11/01/2024
Chloride		5.00		**218**	200.0	16.28	100.8	80	120	11/01/2024
Sulfate		10.0		**262**	200.0	71.52	95.4	80	120	11/01/2024

Batch R355512 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.81**	10.00	0	98.1	9.845	0.40	11/01/2024
Chloride		5.00		**217**	200.0	16.28	100.4	217.9	0.36	11/01/2024
Sulfate		10.0		**261**	200.0	71.52	94.7	262.4	0.57	11/01/2024

Batch R355512 **SampType:** MS Units **mg/L**
SampID: 24101589-096BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.91**	10.00	0	99.1	80	120	11/01/2024
Chloride		5.00		**221**	200.0	17.48	101.5	80	120	11/01/2024
Sulfate		10.0		**269**	200.0	76.04	96.3	80	120	11/01/2024

Batch R355512 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-096BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.92**	10.00	0	99.2	9.906	0.16	11/01/2024
Chloride		5.00		**221**	200.0	17.48	101.7	220.5	0.13	11/01/2024
Sulfate		10.0		**268**	200.0	76.04	96.1	268.6	0.15	11/01/2024

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24101589-030BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0.3450	99.6	80	120	11/06/2024
Chloride		5.00		**267**	200.0	51.45	108.0	80	120	11/06/2024
Sulfate		10.0		**278**	200.0	85.79	96.2	80	120	11/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-030BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0.3450	99.5	10.30	0.10	11/06/2024
Chloride		5.00		**267**	200.0	51.45	107.6	267.5	0.35	11/06/2024
Sulfate		10.0		**277**	200.0	85.79	95.6	278.2	0.42	11/06/2024

Batch R355714 **SampType:** MS Units **mg/L**
SampID: 24102205-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.98**	10.00	0.2120	97.7	80	120	11/06/2024
Chloride		5.00		**1120**	200.0	901.9	108.1	80	120	11/06/2024

Batch R355714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102205-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.97**	10.00	0.2120	97.6	9.978	0.06	11/06/2024
Chloride		5.00		**1120**	200.0	901.9	109.4	1118	0.24	11/06/2024

Batch R355776 **SampType:** MS Units **mg/L**
SampID: 24101589-088BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.82**	10.00	0.2610	95.6	80	120	11/08/2024
Chloride		5.00		**345**	200.0	123.9	110.4	80	120	11/08/2024
Sulfate		10.0		**431**	200.0	233.7	98.7	80	120	11/08/2024

Batch R355776 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-088BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.87**	10.00	0.2610	96.1	9.818	0.57	11/08/2024
Chloride		5.00		**346**	200.0	123.9	110.9	344.8	0.25	11/08/2024
Sulfate		10.0		**432**	200.0	233.7	99.0	431.2	0.12	11/08/2024

Batch R355776 **SampType:** MS Units **mg/L**
SampID: 24110554-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.97**	10.00	0.2540	97.2	80	120	11/07/2024
Chloride		5.00		**209**	200.0	1.012	103.8	80	120	11/07/2024
Sulfate		10.0		**201**	200.0	12.86	94.1	80	120	11/07/2024

Teklab, Inc. Environmental Laboratory

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

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Batch R355776 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110554-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.0**	10.00	0.2540	97.6	9.971	0.40	11/07/2024
Chloride		5.00		**209**	200.0	1.012	103.9	208.7	0.04	11/07/2024
Sulfate		10.0		**202**	200.0	12.86	94.4	201.1	0.23	11/07/2024

Batch R355776 **SampType:** MS Units **mg/L**
SampID: 24110554-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.9520	97.6	80	120	11/07/2024
Chloride		5.00		**210**	200.0	1.824	104.0	80	120	11/07/2024
Sulfate		10.0		**225**	200.0	34.81	95.1	80	120	11/07/2024

Batch R355776 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110554-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.9520	97.5	10.71	0.07	11/07/2024
Chloride		5.00		**209**	200.0	1.824	103.7	209.9	0.31	11/07/2024
Sulfate		10.0		**225**	200.0	34.81	95.0	225.1	0.11	11/07/2024

Batch R355776 **SampType:** MS Units **mg/L**
SampID: 24110556-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.70**	10.00	0	97.0	80	120	11/07/2024
Chloride		5.00		**231**	200.0	20.95	105.0	80	120	11/07/2024
Sulfate		10.0		**244**	200.0	53.95	95.1	80	120	11/07/2024

Batch R355776 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110556-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.77**	10.00	0	97.7	9.695	0.76	11/08/2024
Chloride		5.00		**233**	200.0	20.95	105.8	230.9	0.73	11/08/2024
Sulfate		10.0		**245**	200.0	53.95	95.7	244.1	0.54	11/08/2024

Batch R355845 **SampType:** MS Units **mg/L**
SampID: 24102205-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20.0		**2680**	400.0	2256	104.9	80	120	11/08/2024

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Batch R355845 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102205-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate		20.0		**2670**	400.0	2256	103.6	2676	0.19	11/08/2024

Batch R355845 **SampType:** MS Units **mg/L**
SampID: 24102205-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.82**	10.00	0.3660	94.6	80	120	11/08/2024
Chloride		5.00		**585**	200.0	364.5	110.3	80	120	11/08/2024
Sulfate		10.0		**210**	200.0	26.58	91.8	80	120	11/08/2024

Batch R355845 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102205-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.83**	10.00	0.3660	94.6	9.823	0.03	11/08/2024
Chloride		5.00		**584**	200.0	364.5	109.8	585.1	0.18	11/08/2024
Sulfate		10.0		**211**	200.0	26.58	92.4	210.1	0.56	11/08/2024

Batch R355845 **SampType:** MS Units **mg/L**
SampID: 24102207-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.9280	94.3	80	120	11/08/2024
Chloride		5.00		**451**	200.0	230.6	110.0	80	120	11/08/2024
Sulfate		10.0		**182**	200.0	0	91.0	80	120	11/08/2024

Batch R355845 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102207-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.9280	95.0	10.36	0.74	11/08/2024
Chloride		5.00		**453**	200.0	230.6	111.1	450.7	0.45	11/08/2024
Sulfate		10.0		**183**	200.0	0	91.7	182.0	0.81	11/08/2024

Batch R355946 **SampType:** MS Units **mg/L**
SampID: 24102207-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.1**	10.00	0.7800	103.7	80	120	11/12/2024
Chloride		5.00		**308**	200.0	89.74	109.2	80	120	11/12/2024
Sulfate		10.0		**199**	200.0	12.12	93.3	80	120	11/12/2024

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Batch R355946 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102207-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.2**	10.00	0.7800	104.5	11.15	0.73	11/12/2024
Chloride		5.00		**309**	200.0	89.74	109.7	308.2	0.29	11/12/2024
Sulfate		10.0		**200**	200.0	12.12	93.9	198.7	0.61	11/12/2024

Batch R355946 **SampType:** MS Units **mg/L**
SampID: 24102207-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.2980	103.8	80	120	11/12/2024
Chloride		5.00		**542**	200.0	319.5	111.4	80	120	11/12/2024
Sulfate		10.0		**1170**	200.0	971.0	99.1	80	120	11/12/2024

Batch R355946 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102207-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.2980	104.0	10.68	0.18	11/12/2024
Chloride		5.00		**541**	200.0	319.5	110.6	542.2	0.28	11/12/2024
Sulfate		10.0		**1160**	200.0	971.0	97.0	1169	0.37	11/12/2024

Batch R355946 **SampType:** MS Units **mg/L**
SampID: 24102207-017BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.8**	10.00	0.5350	103.0	80	120	11/12/2024
Chloride		5.00		**235**	200.0	25.71	104.8	80	120	11/12/2024
Sulfate		10.0		**339**	200.0	145.3	96.7	80	120	11/12/2024

Batch R355946 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102207-017BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.9**	10.00	0.5350	103.8	10.83	0.75	11/12/2024
Chloride		5.00		**237**	200.0	25.71	105.4	235.2	0.54	11/12/2024
Sulfate		10.0		**339**	200.0	145.3	96.9	338.7	0.13	11/12/2024

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Client Project: COF-24Q4 **Report Date:** 19-Dec-24

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Batch R355946 **SampType:** MS Units **mg/L**
SampID: 24110119-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.2**	10.00	0	102.2	80	120	11/13/2024
Chloride		5.00		**326**	200.0	105.1	110.7	80	120	11/13/2024
Sulfate		10.0		**467**	200.0	262.8	102.1	80	120	11/13/2024

Batch R355946 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110119-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0	103.0	10.22	0.71	11/13/2024
Chloride		5.00		**328**	200.0	105.1	111.5	326.5	0.50	11/13/2024
Sulfate		10.0		**468**	200.0	262.8	102.7	466.9	0.25	11/13/2024

Batch R355946 **SampType:** MS Units **mg/L**
SampID: 24110810-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.6**	10.00	0.3230	102.8	80	120	11/12/2024
Chloride		5.00		**249**	200.0	37.34	105.6	80	120	11/12/2024
Sulfate		10.0		**289**	200.0	97.89	95.5	80	120	11/12/2024

Batch R355946 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110810-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.3230	103.5	10.60	0.65	11/12/2024
Chloride		5.00		**251**	200.0	37.34	106.7	248.6	0.90	11/12/2024
Sulfate		10.0		**291**	200.0	97.89	96.8	288.9	0.89	11/12/2024

Batch R355946 **SampType:** MS Units **mg/L**
SampID: 24110889-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.8**	10.00	0.6280	102.1	80	120	11/13/2024
Chloride		5.00		**305**	200.0	86.92	109.1	80	120	11/13/2024
Sulfate		10.0		**213**	200.0	24.74	94.0	80	120	11/13/2024

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Client: Ramboll **Work Order:** 24101589

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Batch R355946 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24110889-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.8**	10.00	0.6280	101.9	10.83	0.11	11/13/2024
Chloride		5.00		**305**	200.0	86.92	108.9	305.2	0.11	11/13/2024
Sulfate		10.0		**213**	200.0	24.74	94.0	212.8	0.01	11/13/2024

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355359 **SampType:** MBLK Units **mg/L**

SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						10/30/2024
Chloride		0.50		**ND**						10/30/2024
Sulfate		1.00		**ND**						10/30/2024

Batch R355359 **SampType:** LCS Units **mg/L**

SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**0.97**	1.000	0	97.2	90	110	10/30/2024
Chloride		0.50		**19.7**	20.00	0	98.4	90	110	10/30/2024
Sulfate		1.00		**18.4**	20.00	0	91.8	90	110	10/30/2024

Batch R355359 **SampType:** MS Units **mg/L**

SampID: 24101589-027AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.76**	10.00	0.2400	95.2	80	120	10/30/2024
Chloride		5.00		**249**	200.0	48.34	100.2	80	120	10/30/2024
Sulfate		10.0		**289**	200.0	102.5	93.1	80	120	10/30/2024

Batch R355359 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 24101589-027AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.80**	10.00	0.2400	95.6	9.765	0.38	10/30/2024
Chloride		5.00		**250**	200.0	48.34	100.6	248.7	0.35	10/30/2024
Sulfate		10.0		**289**	200.0	102.5	93.4	288.8	0.18	10/30/2024

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Batch R355425 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						10/31/2024
Chloride		0.50		**ND**						10/31/2024
Sulfate		1.00		**ND**						10/31/2024

Batch R355425 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**0.94**	1.000	0	93.5	90	110	10/31/2024
Chloride		0.50		**19.6**	20.00	0	98.1	90	110	10/31/2024
Sulfate		1.00		**18.3**	20.00	0	91.7	90	110	10/31/2024

Batch R355425 **SampType:** MS Units **mg/L**
SampID: 24101589-006AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.53**	10.00	0	95.3	80	120	10/31/2024
Chloride		5.00		**268**	200.0	63.64	102.4	80	120	10/31/2024
Sulfate		10.0		**265**	200.0	78.31	93.3	80	120	10/31/2024

Batch R355425 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-006AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.62**	10.00	0	96.2	9.529	0.97	10/31/2024
Chloride		5.00		**271**	200.0	63.64	103.6	268.4	0.86	10/31/2024
Sulfate		10.0		**267**	200.0	78.31	94.4	264.9	0.82	10/31/2024

Batch R355425 **SampType:** MS Units **mg/L**
SampID: 24101589-007AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.61**	10.00	0	96.1	80	120	10/31/2024
Chloride		5.00		**256**	200.0	50.80	102.8	80	120	10/31/2024
Sulfate		10.0		**257**	200.0	68.95	94.2	80	120	10/31/2024

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Batch R355425 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-007AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.62**	10.00	0	96.2	9.609	0.17	10/31/2024
Chloride		5.00		**256**	200.0	50.80	102.6	256.3	0.14	10/31/2024
Sulfate		10.0		**257**	200.0	68.95	93.9	257.4	0.26	10/31/2024

Batch R355512 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						11/01/2024
Chloride		0.50		**ND**						11/01/2024
Sulfate		1.00		**ND**						11/01/2024

Batch R355512 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**0.94**	1.000	0	94.3	90	110	11/01/2024
Chloride		0.50		**19.7**	20.00	0	98.4	90	110	11/01/2024
Sulfate		1.00		**18.3**	20.00	0	91.7	90	110	11/01/2024

Batch R355512 **SampType:** MS Units **mg/L**
SampID: 24101589-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.79**	10.00	0	97.9	80	120	11/01/2024
Chloride		5.00		**220**	200.0	18.26	101.0	80	120	11/01/2024
Sulfate		10.0		**269**	200.0	78.37	95.1	80	120	11/01/2024

Batch R355512 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.81**	10.00	0	98.1	9.791	0.21	11/01/2024
Chloride		5.00		**221**	200.0	18.26	101.2	220.3	0.16	11/01/2024
Sulfate		10.0		**269**	200.0	78.37	95.4	268.7	0.19	11/01/2024

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Batch R355512 **SampType:** MS Units **mg/L**
SampID: 24101589-031AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.82**	10.00	0.2360	95.8	80	120	11/01/2024
Chloride		5.00		**240**	200.0	34.88	102.4	80	120	11/01/2024
Sulfate		10.0		**221**	200.0	32.82	93.9	80	120	11/01/2024

Batch R355512 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-031AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.86**	10.00	0.2360	96.2	9.816	0.42	11/01/2024
Chloride		5.00		**241**	200.0	34.88	102.9	239.7	0.44	11/01/2024
Sulfate		10.0		**221**	200.0	32.82	94.2	220.6	0.31	11/01/2024

Batch R355512 **SampType:** MS Units **mg/L**
SampID: 24102733-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.75**	10.00	0	97.5	80	120	11/01/2024
Chloride		5.00		**206**	200.0	7.207	99.5	80	120	11/01/2024
Sulfate		10.0		**192**	200.0	8.074	92.2	80	120	11/01/2024

Batch R355512 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102733-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.74**	10.00	0	97.4	9.749	0.06	11/01/2024
Chloride		5.00		**206**	200.0	7.207	99.4	206.1	0.09	11/01/2024
Sulfate		10.0		**193**	200.0	8.074	92.3	192.5	0.13	11/01/2024

Batch R355512 **SampType:** MS Units **mg/L**
SampID: 24102802-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		**290**	200.0	78.92	105.6	80	120	11/01/2024
Sulfate		10.0		**372**	200.0	175.0	98.4	80	120	11/01/2024

Batch R355512 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24102802-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		5.00		**290**	200.0	78.92	105.8	290.0	0.15	11/01/2024
Sulfate		10.0		**372**	200.0	175.0	98.5	371.8	0.07	11/01/2024

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Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355512 **SampType:** MS Units **mg/L**
SampID: 24110049-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.36**	10.00	0	93.6	80	120	11/02/2024
Chloride		5.00		**199**	200.0	1.325	99.1	80	120	11/02/2024
Sulfate		10.0		**225**	200.0	37.58	94.0	80	120	11/02/2024

Batch R355512 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110049-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.25**	10.00	0	92.5	9.360	1.19	11/02/2024
Chloride		5.00		**197**	200.0	1.325	97.8	199.5	1.30	11/02/2024
Sulfate		10.0		**223**	200.0	37.58	92.6	225.5	1.25	11/02/2024

Batch R355512 **SampType:** MS Units **mg/L**
SampID: 24110049-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**13.8**	10.00	4.400	94.4	80	120	11/02/2024
Chloride		5.00		**521**	200.0	303.5	108.8	80	120	11/02/2024
Sulfate		10.0		**407**	200.0	210.9	98.1	80	120	11/02/2024

Batch R355512 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110049-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**13.8**	10.00	4.400	93.6	13.84	0.55	11/02/2024
Chloride		5.00		**517**	200.0	303.5	106.9	521.2	0.74	11/02/2024
Sulfate		10.0		**404**	200.0	210.9	96.7	407.2	0.71	11/02/2024

Batch R355512 **SampType:** MS Units **mg/L**
SampID: 24110059-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		50.0		**3100**	2000	994.0	105.4	80	120	11/02/2024

Batch R355512 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110059-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		50.0		**3120**	2000	994.0	106.2	3101	0.56	11/02/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355512 **SampType:** MS Units **mg/L**
SampID: 24110068-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		50.0		**12100**	2000	10220	91.7	80	120	11/02/2024

Batch R355512 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110068-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		50.0		**12000**	2000	10220	89.7	12060	0.33	11/02/2024

Batch R355616 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						11/05/2024
Chloride		0.50		**ND**						11/05/2024
Sulfate		1.00		**ND**						11/05/2024

Batch R355616 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.00**	1.000	0	100.4	90	110	11/05/2024
Chloride		0.50		**20.5**	20.00	0	102.7	90	110	11/05/2024
Sulfate		1.00		**18.5**	20.00	0	92.6	90	110	11/05/2024

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24100001-022AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**11.4**	10.00	1.197	101.9	80	120	11/05/2024
Chloride		5.00		**1220**	200.0	1042	91.0	80	120	11/05/2024
Sulfate		10.0		**365**	200.0	169.8	97.8	80	120	11/05/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24100001-022AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**11.4**	10.00	1.197	102.5	11.39	0.49	11/05/2024
Chloride		5.00		**1220**	200.0	1042	89.9	1224	0.19	11/05/2024
Sulfate		10.0		**366**	200.0	169.8	98.0	365.3	0.11	11/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24110188-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.88**	10.00	0	98.8	80	120	11/05/2024
Chloride		5.00		**374**	200.0	155.0	109.5	80	120	11/05/2024
Sulfate		10.0		**730**	200.0	531.6	99.1	80	120	11/05/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110188-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.93**	10.00	0	99.3	9.875	0.53	11/05/2024
Chloride		5.00		**375**	200.0	155.0	110.1	374.1	0.30	11/05/2024
Sulfate		10.0		**731**	200.0	531.6	99.5	729.9	0.10	11/05/2024

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24110189-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.92**	10.00	0	99.2	80	120	11/05/2024
Chloride		5.00		**223**	200.0	16.85	103.1	80	120	11/05/2024
Sulfate		10.0		**1160**	200.0	953.2	101.9	80	120	11/05/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110189-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.96**	10.00	0	99.6	9.923	0.37	11/05/2024
Chloride		5.00		**224**	200.0	16.85	103.5	223.1	0.31	11/05/2024
Sulfate		10.0		**1160**	200.0	953.2	103.3	1157	0.24	11/05/2024

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24110221-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.84**	10.00	0	98.4	80	120	11/05/2024
Chloride		5.00		**215**	200.0	9.207	102.7	80	120	11/05/2024
Sulfate		10.0		**220**	200.0	33.48	93.2	80	120	11/05/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110221-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.85**	10.00	0	98.5	9.843	0.03	11/05/2024
Chloride		5.00		**214**	200.0	9.207	102.6	214.7	0.14	11/05/2024
Sulfate		10.0		**219**	200.0	33.48	92.9	219.8	0.27	11/05/2024

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24110232-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.7990	98.8	80	120	11/05/2024
Chloride		5.00		**213**	200.0	7.226	102.8	80	120	11/05/2024
Sulfate		10.0		**299**	200.0	107.0	95.8	80	120	11/05/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110232-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.7**	10.00	0.7990	98.6	10.68	0.20	11/05/2024
Chloride		5.00		**213**	200.0	7.226	102.7	212.9	0.09	11/05/2024
Sulfate		10.0		**299**	200.0	107.0	95.8	298.6	0.01	11/05/2024

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24110234-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.91**	10.00	0	99.1	80	120	11/06/2024
Chloride		5.00		**225**	200.0	16.08	104.2	80	120	11/06/2024
Sulfate		10.0		**225**	200.0	39.18	93.1	80	120	11/06/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110234-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.96**	10.00	0	99.6	9.907	0.54	11/06/2024
Chloride		5.00		**224**	200.0	16.08	103.7	224.5	0.43	11/06/2024
Sulfate		10.0		**225**	200.0	39.18	92.7	225.4	0.38	11/06/2024

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Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616 **SampType:** MS Units **mg/L**
SampID: 24110236-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.87**	10.00	0	98.7	80	120	11/05/2024
Chloride		5.00		**207**	200.0	2.717	102.3	80	120	11/05/2024
Sulfate		10.0		**187**	200.0	0	93.4	80	120	11/05/2024

Batch R355616 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110236-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.81**	10.00	0	98.1	9.870	0.59	11/05/2024
Chloride		5.00		**206**	200.0	2.717	101.7	207.3	0.64	11/05/2024
Sulfate		10.0		**186**	200.0	0	92.8	186.8	0.69	11/05/2024

Batch R355714 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						11/06/2024
Chloride		0.50		**ND**						11/06/2024
Sulfate		1.00		**ND**						11/06/2024

Batch R355714 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**0.98**	1.000	0	97.5	90	110	11/06/2024
Chloride		0.50		**20.5**	20.00	0	102.6	90	110	11/06/2024
Sulfate		1.00		**18.5**	20.00	0	92.6	90	110	11/06/2024

Batch R355714 **SampType:** MS Units **mg/L**
SampID: 24101589-067AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.5160	98.9	80	120	11/06/2024
Chloride		5.00		**217**	200.0	8.500	104.0	80	120	11/06/2024
Sulfate		10.0		**1050**	200.0	848.7	98.9	80	120	11/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-067AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.5**	10.00	0.5160	99.4	10.40	0.48	11/06/2024
Chloride		5.00		**218**	200.0	8.500	104.5	216.5	0.45	11/06/2024
Sulfate		10.0		**1050**	200.0	848.7	98.8	1046	0.01	11/06/2024

Batch R355714 **SampType:** MS Units **mg/L**
SampID: 24110260-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.0**	10.00	0.2180	98.1	80	120	11/06/2024
Chloride		5.00		**222**	200.0	13.04	104.6	80	120	11/06/2024
Sulfate		10.0		**440**	200.0	235.5	102.1	80	120	11/06/2024

Batch R355714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110260-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.1**	10.00	0.2180	98.6	10.03	0.54	11/06/2024
Chloride		5.00		**223**	200.0	13.04	104.9	222.3	0.19	11/06/2024
Sulfate		10.0		**435**	200.0	235.5	99.8	439.7	1.05	11/06/2024

Batch R355714 **SampType:** MS Units **mg/L**
SampID: 24110284-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.75**	10.00	0	97.5	80	120	11/06/2024
Chloride		5.00		**209**	200.0	1.442	103.8	80	120	11/06/2024
Sulfate		10.0		**219**	200.0	29.47	94.6	80	120	11/06/2024

Batch R355714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110284-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.77**	10.00	0	97.7	9.752	0.15	11/06/2024
Chloride		5.00		**209**	200.0	1.442	103.8	209.0	0.03	11/06/2024
Sulfate		10.0		**218**	200.0	29.47	94.5	218.7	0.13	11/06/2024

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355714 **SampType:** MS Units **mg/L**
SampID: 24110284-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.70**	10.00	0	97.0	80	120	11/06/2024
Chloride		5.00		**207**	200.0	0	103.4	80	120	11/06/2024
Sulfate		10.0		**187**	200.0	0	93.6	80	120	11/06/2024

Batch R355714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110284-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.76**	10.00	0	97.6	9.701	0.56	11/06/2024
Chloride		5.00		**208**	200.0	0	103.8	206.8	0.43	11/06/2024
Sulfate		10.0		**188**	200.0	0	93.8	187.3	0.14	11/06/2024

Batch R355714 **SampType:** MS Units **mg/L**
SampID: 24110340-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.90**	10.00	0	99.0	80	120	11/06/2024
Chloride		5.00		**234**	200.0	21.17	106.6	80	120	11/06/2024
Sulfate		10.0		**200**	200.0	11.46	94.5	80	120	11/06/2024

Batch R355714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110340-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.87**	10.00	0	98.7	9.895	0.29	11/06/2024
Chloride		5.00		**233**	200.0	21.17	106.0	234.4	0.54	11/06/2024
Sulfate		10.0		**199**	200.0	11.46	94.0	200.4	0.47	11/06/2024

Batch R355714 **SampType:** MS Units **mg/L**
SampID: 24110342-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.75**	10.00	0	97.5	80	120	11/07/2024
Chloride		5.00		**208**	200.0	1.694	103.3	80	120	11/07/2024
Sulfate		10.0		**240**	200.0	51.08	94.4	80	120	11/07/2024

Teklab, Inc.
Environmental Laboratory

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110342-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.85**	10.00	0	98.5	9.753	1.00	11/07/2024
Chloride		5.00		**211**	200.0	1.694	104.4	208.3	1.05	11/07/2024
Sulfate		10.0		**239**	200.0	51.08	94.0	239.8	0.28	11/07/2024

Batch R355714 **SampType:** MS Units **mg/L**
SampID: 24110360-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.4920	99.2	80	120	11/06/2024
Chloride		5.00		**409**	200.0	181.4	113.9	80	120	11/06/2024
Sulfate		10.0		**231**	200.0	39.35	95.6	80	120	11/06/2024

Batch R355714 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110360-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0.4920	99.0	10.41	0.13	11/06/2024
Chloride		5.00		**409**	200.0	181.4	114.0	409.2	0.04	11/06/2024
Sulfate		10.0		**231**	200.0	39.35	95.7	230.6	0.08	11/06/2024

Batch R355776 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						11/07/2024
Chloride		0.50		**ND**						11/07/2024
Sulfate		1.00		**ND**						11/07/2024

Batch R355776 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**0.95**	1.000	0	95.4	90	110	11/07/2024
Chloride		0.50		**20.5**	20.00	0	102.6	90	110	11/07/2024
Sulfate		1.00		**18.6**	20.00	0	92.8	90	110	11/07/2024

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Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355776 **SampType:** MS Units **mg/L**
SampID: 24101589-083AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.2**	10.00	0.5760	96.2	80	120	11/07/2024
Chloride		5.00		**220**	200.0	11.94	103.9	80	120	11/07/2024
Sulfate		10.0		**417**	200.0	219.4	98.8	80	120	11/07/2024

Batch R355776 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-083AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.3**	10.00	0.5760	97.3	10.20	0.99	11/07/2024
Chloride		5.00		**222**	200.0	11.94	104.9	219.7	0.90	11/07/2024
Sulfate		10.0		**420**	200.0	219.4	100.2	417.0	0.66	11/07/2024

Batch R355776 **SampType:** MS Units **mg/L**
SampID: 24110458-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.78**	10.00	0	97.8	80	120	11/07/2024
Chloride		5.00		**209**	200.0	2.756	102.9	80	120	11/07/2024
Sulfate		10.0		**225**	200.0	37.62	93.7	80	120	11/07/2024

Batch R355776 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110458-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.80**	10.00	0	98.0	9.778	0.27	11/07/2024
Chloride		5.00		**209**	200.0	2.756	103.1	208.6	0.19	11/07/2024
Sulfate		10.0		**226**	200.0	37.62	94.2	225.1	0.42	11/07/2024

Batch R355776 **SampType:** MS Units **mg/L**
SampID: 24110475-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.0**	10.00	0.4720	95.2	80	120	11/07/2024
Chloride		5.00		**260**	200.0	49.06	105.6	80	120	11/07/2024
Sulfate		10.0		**224**	200.0	38.23	92.9	80	120	11/07/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355776 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110475-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.1**	10.00	0.4720	96.3	9.995	1.04	11/07/2024
Chloride		5.00		**263**	200.0	49.06	106.9	260.3	0.99	11/07/2024
Sulfate		10.0		**226**	200.0	38.23	94.0	224.1	0.99	11/07/2024

Batch R355776 **SampType:** MS Units **mg/L**
SampID: 24110498-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.76**	10.00	0	97.6	80	120	11/07/2024
Chloride		5.00		**222**	200.0	14.43	104.0	80	120	11/07/2024
Sulfate		10.0		**427**	200.0	227.9	99.3	80	120	11/07/2024

Batch R355776 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110498-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.78**	10.00	0	97.8	9.758	0.18	11/07/2024
Chloride		5.00		**223**	200.0	14.43	104.5	222.4	0.47	11/07/2024
Sulfate		10.0		**427**	200.0	227.9	99.4	426.6	0.02	11/07/2024

Batch R355776 **SampType:** MS Units **mg/L**
SampID: 24110515-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.66**	10.00	0	96.6	80	120	11/07/2024
Chloride		5.00		**206**	200.0	0	102.9	80	120	11/07/2024
Sulfate		10.0		**189**	200.0	3.760	92.6	80	120	11/07/2024

Batch R355776 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110515-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.67**	10.00	0	96.7	9.661	0.08	11/07/2024
Chloride		5.00		**206**	200.0	0	102.9	205.8	0.03	11/07/2024
Sulfate		10.0		**189**	200.0	3.760	92.6	188.9	0.02	11/07/2024

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Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355776 **SampType:** MS Units **mg/L**
SampID: 24110581-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.78**	10.00	0	97.8	80	120	11/08/2024
Chloride		5.00		**215**	200.0	5.634	104.5	80	120	11/08/2024
Sulfate		10.0		**240**	200.0	48.26	95.7	80	120	11/08/2024

Batch R355776 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110581-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.75**	10.00	0	97.5	9.783	0.37	11/08/2024
Chloride		5.00		**214**	200.0	5.634	104.3	214.6	0.16	11/08/2024
Sulfate		10.0		**239**	200.0	48.26	95.5	239.7	0.21	11/08/2024

Batch R355845 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						11/08/2024
Chloride		0.50		**ND**						11/08/2024
Sulfate		1.00		**ND**						11/08/2024

Batch R355845 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**0.95**	1.000	0	95.2	90	110	11/08/2024
Chloride		0.50		**20.5**	20.00	0	102.7	90	110	11/08/2024
Sulfate		1.00		**18.6**	20.00	0	92.8	90	110	11/08/2024

Batch R355845 **SampType:** MS Units **mg/L**
SampID: 24101589-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.64**	10.00	0	96.4	80	120	11/08/2024
Chloride		5.00		**210**	200.0	3.131	103.4	80	120	11/08/2024
Sulfate		10.0		**1380**	200.0	1173	105.9	80	120	11/08/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355845 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.67**	10.00	0	96.7	9.637	0.31	11/08/2024
Chloride		5.00		**210**	200.0	3.131	103.5	209.8	0.15	11/08/2024
Sulfate		10.0		**1380**	200.0	1173	103.5	1385	0.34	11/08/2024

Batch R355845 **SampType:** MS Units **mg/L**
SampID: 24101589-063AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.0**	10.00	0.3920	96.3	80	120	11/08/2024
Chloride		5.00		**222**	200.0	14.40	104.0	80	120	11/08/2024
Sulfate		10.0		**1020**	200.0	819.3	102.6	80	120	11/08/2024

Batch R355845 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-063AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.92**	10.00	0.3920	95.3	10.02	1.02	11/08/2024
Chloride		5.00		**219**	200.0	14.40	102.5	222.4	1.41	11/08/2024
Sulfate		10.0		**1020**	200.0	819.3	102.0	1024	0.11	11/08/2024

Batch R355845 **SampType:** MS Units **mg/L**
SampID: 24101589-099AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.89**	10.00	0	98.9	80	120	11/09/2024
Chloride		5.00		**219**	200.0	10.82	104.0	80	120	11/09/2024
Sulfate		10.0		**663**	200.0	461.6	101.0	80	120	11/09/2024

Batch R355845 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24101589-099AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.94**	10.00	0	99.4	9.890	0.55	11/09/2024
Chloride		5.00		**220**	200.0	10.82	104.6	218.8	0.59	11/09/2024
Sulfate		10.0		**666**	200.0	461.6	102.3	663.5	0.39	11/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355845 **SampType:** MS Units **mg/L**
SampID: 24110557-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**9.54**	10.00	0	95.4	80	120	11/08/2024
Chloride		5.00		**397**	200.0	176.6	110.0	80	120	11/08/2024
Sulfate		10.0		**304**	200.0	114.5	94.7	80	120	11/08/2024

Batch R355845 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110557-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**9.50**	10.00	0	95.0	9.543	0.42	11/08/2024
Chloride		5.00		**394**	200.0	176.6	108.7	396.5	0.66	11/08/2024
Sulfate		10.0		**302**	200.0	114.5	93.8	303.9	0.61	11/08/2024

Batch R355845 **SampType:** MS Units **mg/L**
SampID: 24110736-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**87.4**	10.00	77.95	94.5	80	120	11/09/2024

Batch R355845 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110736-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**87.3**	10.00	77.95	93.2	87.40	0.15	11/09/2024

Batch R355946 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						11/12/2024
Chloride		0.50		**ND**						11/12/2024
Sulfate		1.00		**ND**						11/12/2024

Batch R355946 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230952

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride	*	0.05		**ND**						11/13/2024
Chloride	*	0.50	J	**0.19**						11/13/2024
Sulfate	*	1.00		**ND**						11/13/2024

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Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355946 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**1.02**	1.000	0	102.1	90	110	11/12/2024
Chloride		0.50		**20.4**	20.00	0	102.0	90	110	11/12/2024
Sulfate		1.00		**18.5**	20.00	0	92.4	90	110	11/12/2024

Batch R355946 **SampType:** MS Units **mg/L**
SampID: 24110016-004BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.5**	10.00	0.2460	102.5	80	120	11/12/2024
Chloride		5.00		**527**	200.0	305.2	111.1	80	120	11/12/2024
Sulfate		10.0		**307**	200.0	113.5	96.6	80	120	11/12/2024

Batch R355946 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110016-004BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.5**	10.00	0.2460	102.6	10.50	0.11	11/12/2024
Chloride		5.00		**526**	200.0	305.2	110.2	527.3	0.33	11/12/2024
Sulfate		10.0		**306**	200.0	113.5	96.5	306.7	0.09	11/12/2024

Batch R355946 **SampType:** MS Units **mg/L**
SampID: 24110016-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0	103.7	80	120	11/12/2024
Chloride		5.00		**254**	200.0	40.86	106.6	80	120	11/12/2024
Sulfate		10.0		**391**	200.0	190.9	100.0	80	120	11/12/2024

Batch R355946 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110016-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.4**	10.00	0	104.2	10.37	0.47	11/12/2024
Chloride		5.00		**255**	200.0	40.86	107.0	254.1	0.30	11/12/2024
Sulfate		10.0		**390**	200.0	190.9	99.4	390.8	0.28	11/12/2024

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355946 **SampType:** MS Units **mg/L**
SampID: 24110772-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.6**	10.00	0.2490	103.2	80	120	11/12/2024
Chloride		5.00		**221**	200.0	11.70	104.5	80	120	11/12/2024
Sulfate		10.0		**411**	200.0	211.4	99.8	80	120	11/12/2024

Batch R355946 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110772-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.5**	10.00	0.2490	102.8	10.57	0.39	11/12/2024
Chloride		5.00		**220**	200.0	11.70	104.1	220.7	0.35	11/12/2024
Sulfate		10.0		**409**	200.0	211.4	98.9	411.0	0.43	11/12/2024

Batch R356900 **SampType:** MBLK Units **mg/L**
SampID: MBLK/ICB

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**ND**						12/03/2024
Chloride		0.50		**ND**						12/03/2024
Sulfate		1.00		**ND**						12/03/2024

Batch R356900 **SampType:** LCS Units **mg/L**
SampID: LCS/ICV/QCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		**0.99**	1.000	0	99.1	90	110	12/03/2024
Chloride		0.50		**20.1**	20.00	0	100.5	90	110	12/03/2024
Sulfate		1.00		**18.3**	20.00	0	91.5	90	110	12/03/2024

Batch R356900 **SampType:** MS Units **mg/L**
SampID: 24112363-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		50.0		**6320**	2000	4148	108.8	80	120	12/03/2024
Sulfate		100		**1990**	2000	157.9	91.8	80	120	12/03/2024

Batch R356900 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24112363-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		50.0		**6240**	2000	4148	104.7	6323	1.32	12/03/2024
Sulfate		100		**1990**	2000	157.9	91.6	1995	0.24	12/03/2024

Teklab, Inc.
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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

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Batch R356900 **SampType:** MS Units **mg/L**
SampID: 24120076-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		**10.1**	10.00	0	101.1	80	120	12/03/2024
Chloride		5.00		**208**	200.0	8.385	99.7	80	120	12/03/2024
Sulfate		10.0		**509**	200.0	304.8	101.9	80	120	12/03/2024

Batch R356900 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24120076-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		**10.1**	10.00	0	101.4	10.11	0.34	12/03/2024
Chloride		5.00		**208**	200.0	8.385	99.8	207.8	0.05	12/03/2024
Sulfate		10.0		**514**	200.0	304.8	104.3	508.6	0.97	12/03/2024

Batch R356900 **SampType:** MS Units **mg/L**
SampID: 24120078-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		**2.17**	2.000	0.1756	99.6	80	120	12/03/2024
Chloride		1.00		**49.4**	40.00	8.713	101.8	80	120	12/03/2024
Sulfate		2.00		**394**	40.00	356.4	92.8	80	120	12/03/2024

Batch R356900 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24120078-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.10		**2.16**	2.000	0.1756	99.2	2.167	0.37	12/03/2024
Chloride		1.00		**49.4**	40.00	8.713	101.6	49.42	0.12	12/03/2024
Sulfate		2.00		**398**	40.00	356.4	104.0	393.6	1.13	12/03/2024

SW-846 9060A

Batch R355881 **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	11/08/2024

Batch R355881 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**4.9**	5.000	0	97.8	90	110	11/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 9060A

Batch R355881 **SampType:** MS Units **mg/L**
SampID: 24110581-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**3.3**	2.500	0.9400	94.0	85	115	11/08/2024

Batch R355881 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110581-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**3.3**	2.500	0.9400	94.8	3.290	0.61	11/08/2024

Batch R355881 **SampType:** MS Units **mg/L**
SampID: 24110594-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.5**	2.500	4.090	97.6	85	115	11/08/2024

Batch R355881 **SampType:** MSD Units **mg/L** RPD Limit **10**
SampID: 24110594-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**6.6**	2.500	4.090	99.6	6.530	0.76	11/08/2024

Batch R355881 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24110594-001EDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		1.0		**4.1**				4.090	0.97	11/08/2024

Batch R355881 **SampType:** DUP Units **mg/L** RPD Limit **10**
SampID: 24110749-003BDUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)		5.0		**15.7**				15.66	0.32	11/08/2024

SW-846 9066 (TOTAL)

Batch R355691 **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	11/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24

SW-846 9066 (TOTAL)

Batch R355691 **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	102.9	90	110	11/05/2024

Batch R355691 **SampType:** MS Units **µg/L**
SampID: 24101589-038FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**55**	50.00	0	110.8	85	115	11/05/2024

Batch R355691 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24101589-038FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**55**	50.00	0	109.7	55.39	0.94	11/05/2024

Batch R355691 **SampType:** MS Units **µg/L**
SampID: 24101589-053FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**56**	50.00	6.210	99.7	85	115	11/05/2024

Batch R355691 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24101589-053FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**55**	50.00	6.210	97.6	56.05	1.85	11/05/2024

Batch R355691 **SampType:** MS Units **µg/L**
SampID: 24101589-086FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**57**	50.00	6.900	99.9	85	115	11/05/2024

Batch R355691 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24101589-086FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**57**	50.00	6.900	100.5	56.87	0.47	11/05/2024

Batch R355691 **SampType:** MS Units **mg/L**
SampID: 24110172-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.063**	0.0500	0.007370	111.3	90	110	11/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24

SW-846 9066 (TOTAL)

Batch R355691 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110172-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.062**	0.0500	0.007370	109.0	0.06303	1.83	11/05/2024

Batch R355691 **SampType:** MS Units **mg/L**
SampID: 24110190-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.055**	0.0500	0	111.0	90	110	11/05/2024

Batch R355691 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110190-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.053**	0.0500	0	105.7	0.05549	4.91	11/05/2024

Batch R355886 **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	11/08/2024

Batch R355886 **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		**0.050**	0.0500	0	99.5	90	110	11/08/2024

Batch R355886 **SampType:** MS Units **µg/L**
SampID: 24101589-047FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		25		**373**	250.0	130.7	96.8	85	115	11/08/2024

Batch R355886 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24101589-047FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		25		**357**	250.0	130.7	90.4	372.8	4.43	11/08/2024

Batch R355886 **SampType:** MS Units **mg/L**
SampID: 24110284-001HMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.048**	0.0500	0	96.3	90	110	11/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24

SW-846 9066 (TOTAL)

Batch R355886 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110284-001HMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.051**	0.0500	0	102.2	0.04813	6.01	11/08/2024

Batch R355886 **SampType:** MS Units **mg/L**
SampID: 24110475-002GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.055**	0.0500	0	109.7	90	110	11/08/2024

Batch R355886 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110475-002GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.051**	0.0500	0	102.9	0.05485	6.40	11/08/2024

Batch R355954 **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	11/11/2024

Batch R355954 **SampType:** LCS Units **mg/L**
SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0	108.7	90	110	11/11/2024

Batch R355954 **SampType:** MS Units **µg/L**
SampID: 24102207-021FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**51**	50.00	0	102.9	85	115	11/11/2024

Batch R355954 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24102207-021FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**51**	50.00	0	102.8	51.45	0.06	11/11/2024

Batch R355954 **SampType:** MS Units **mg/L**
SampID: 24110424-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.056**	0.0500	0.004240	102.8	90	110	11/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 9066 (TOTAL)

Batch R355954 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110424-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.061**	0.0500	0.004240	112.7	0.05563	8.52	11/11/2024

Batch R356031 **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	11/12/2024

Batch R356031 **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	104.7	90	110	11/12/2024

Batch R356031 **SampType:** MS Units **µg/L**
SampID: 24102205-010FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**49**	50.00	0	98.3	85	115	11/12/2024

Batch R356031 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24102205-010FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**49**	50.00	0	98.5	49.16	0.20	11/12/2024

Batch R356031 **SampType:** MS Units **µg/L**
SampID: 24102205-012FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**56**	50.00	2.980	105.8	85	115	11/12/2024

Batch R356031 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24102205-012FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**56**	50.00	2.980	106.1	55.87	0.29	11/12/2024

Batch R356031 **SampType:** MS Units **µg/L**
SampID: 24102207-015FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**52**	50.00	0	103.2	85	115	11/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 9066 (TOTAL)

Batch R356031 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24102207-015FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**54**	50.00	0	107.1	51.60	3.69	11/12/2024

Batch R356031 **SampType:** MS Units **µg/L**
SampID: 24110556-001FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		**49**	50.00	0	98.6	85	115	11/12/2024

Batch R356031 **SampType:** MSD Units **µg/L** RPD Limit **15**
SampID: 24110556-001FMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		5		**50**	50.00	0	99.2	49.31	0.55	11/12/2024

Batch R356031 **SampType:** MS Units **mg/L**
SampID: 24110892-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.053**	0.0500	0	106.2	90	110	11/12/2024

Batch R356031 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24110892-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.052**	0.0500	0	104.4	0.05310	1.75	11/12/2024

Batch R357002 **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	12/03/2024

Batch R357002 **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	102.1	90	110	12/03/2024

Batch R357002 **SampType:** MS Units **mg/L**
SampID: 24112233-001EMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	**0.028**	0.0500	0	56.3	85	115	12/03/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24

SW-846 9066 (TOTAL)

Batch R357002 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24112233-001EMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005	S	**0.032**	0.0500	0	63.4	0.02814	11.90	12/03/2024

Batch R357002 **SampType:** MS Units **mg/L**
SampID: 24120078-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005		**0.053**	0.0500	0.003050	100.5	90	110	12/03/2024

Batch R357002 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 24120078-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols		0.005		**0.054**	0.0500	0.003050	101.6	0.05328	1.08	12/03/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 230481 **SampType:** MBLK Units **mg/L**

SampID: MBLK-230481

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	10/31/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	10/31/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	10/31/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	10/31/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	10/31/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	10/31/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	10/31/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	10/31/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	10/31/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	10/31/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	10/31/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	10/31/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	10/31/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	10/31/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	10/31/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	10/31/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	10/31/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	10/31/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	10/31/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	10/31/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	10/31/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	10/31/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	10/31/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	10/31/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 230481 **SampType:** LCS Units **mg/L**

SampID: LCS-230481

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**3.76**	4.000	0	94.0	85	115	10/31/2024
Antimony		0.0500		**0.949**	1.000	0	94.9	85	115	10/31/2024
Arsenic		0.0250		**0.954**	1.000	0	95.4	85	115	10/31/2024
Barium		0.0025		**3.87**	4.000	0	96.8	85	115	10/31/2024
Beryllium		0.0005		**0.0954**	0.1000	0	95.4	85	115	10/31/2024
Boron		0.0200		**0.912**	1.000	0	91.2	85	115	10/31/2024
Cadmium		0.0020		**0.0961**	0.1000	0	96.1	85	115	10/31/2024
Calcium		0.100		**4.67**	5.000	0	93.4	85	115	10/31/2024
Chromium		0.0050		**0.387**	0.4000	0	96.7	85	115	10/31/2024
Cobalt		0.0050		**0.960**	1.000	0	96.0	85	115	10/31/2024
Copper		0.0050		**0.478**	0.5000	0	95.6	85	115	10/31/2024
Iron		0.0400		**4.05**	4.000	0	101.2	85	115	10/31/2024
Lead		0.0150		**0.948**	1.000	0	94.8	85	115	10/31/2024
Magnesium		0.0500		**4.58**	5.000	0	91.7	85	115	10/31/2024
Manganese		0.0070		**0.935**	1.000	0	93.5	85	115	10/31/2024
Molybdenum		0.0100		**0.946**	1.000	0	94.6	85	115	10/31/2024
Nickel		0.0050		**0.966**	1.000	0	96.6	85	115	10/31/2024
Potassium		0.100		**5.13**	5.000	0	102.7	85	115	10/31/2024
Selenium		0.0400		**0.920**	1.000	0	92.0	85	115	10/31/2024
Silver		0.0070		**0.0950**	0.1000	0	95.0	85	115	10/31/2024
Sodium		0.0500		**4.83**	5.000	0	96.6	85	115	10/31/2024
Thallium		0.0500		**0.469**	0.5000	0	93.9	85	115	10/31/2024
Vanadium		0.0100		**0.973**	1.000	0	97.3	85	115	10/31/2024
Zinc		0.0100		**0.943**	1.000	0	94.3	85	115	10/31/2024

Batch 230481 **SampType:** MS Units **mg/L**

SampID: 24101589-012CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**98.7**	5.000	102.0	-65.0	75	125	10/31/2024
Magnesium		0.050	S	**43.6**	5.000	42.34	25.8	75	125	10/31/2024
Potassium		0.100		**5.57**	5.000	0.4048	103.3	75	125	10/31/2024
Sodium		0.050	S	**49.9**	5.000	50.12	-3.6	75	125	10/31/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 230481 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24101589-012CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**104**	5.000	102.0	45.2	98.71	5.43	10/31/2024
Magnesium		0.050	S	**45.7**	5.000	42.34	68.2	43.63	4.74	10/31/2024
Potassium		0.100		**5.63**	5.000	0.4048	104.4	5.568	1.02	10/31/2024
Sodium		0.050	S	**50.8**	5.000	50.12	13.0	49.94	1.65	10/31/2024

Batch 230481 **SampType:** MS Units **mg/L**

SampID: 24102446-017CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.952**	1.000	0	95.2	75	125	10/31/2024
Barium		0.0025		**3.76**	4.000	0.1750	89.6	75	125	10/31/2024
Cadmium		0.0020		**0.0874**	0.1000	0	87.4	75	125	10/31/2024
Chromium		0.0050		**0.376**	0.4000	0	94.0	75	125	10/31/2024
Lead		0.0150		**0.911**	1.000	0.005400	90.6	75	125	10/31/2024
Selenium		0.0400		**0.913**	1.000	0	91.3	75	125	10/31/2024
Silver		0.0070		**0.0928**	0.1000	0	92.8	75	125	10/31/2024

Batch 230481 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24102446-017CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.953**	1.000	0	95.3	0.9519	0.10	10/31/2024
Barium		0.0025		**3.75**	4.000	0.1750	89.4	3.760	0.27	10/31/2024
Cadmium		0.0020		**0.0857**	0.1000	0	85.7	0.08740	1.96	10/31/2024
Chromium		0.0050		**0.378**	0.4000	0	94.4	0.3759	0.50	10/31/2024
Lead		0.0150		**0.910**	1.000	0.005400	90.4	0.9111	0.18	10/31/2024
Selenium		0.0400		**0.916**	1.000	0	91.7	0.9131	0.37	10/31/2024
Silver		0.0070		**0.0939**	0.1000	0	93.9	0.09280	1.18	10/31/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 230538 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230538

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	11/04/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/05/2024
Magnesium		0.050		**< 0.050**	0.0055	0	0	-100	100	11/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/04/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/05/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/04/2024
Sodium		0.050		**< 0.050**	0.0180	0	0	-100	100	11/05/2024

Batch 230538 **SampType:** LCS Units **mg/L**
SampID: LCS-230538

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**4.48**	5.000	0	89.6	85	115	11/04/2024
Calcium		0.100		**4.48**	5.000	0	89.6	85	115	11/05/2024
Magnesium		0.050		**4.30**	5.000	0	86.0	85	115	11/05/2024
Potassium		0.100		**4.88**	5.000	0	97.6	85	115	11/04/2024
Potassium		0.100		**5.05**	5.000	0	101.0	85	115	11/05/2024
Sodium		0.0500		**4.67**	5.000	0	93.4	85	115	11/04/2024
Sodium		0.050		**4.86**	5.000	0	97.1	85	115	11/05/2024

Batch 230538 **SampType:** MS Units **mg/L**
SampID: 24101589-019CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**85.3**	5.000	83.74	31.0	75	125	11/04/2024
Magnesium		0.050	S	**40.3**	5.000	36.86	69.2	75	125	11/05/2024
Potassium		0.100		**5.36**	5.000	0.4582	98.0	75	125	11/04/2024
Sodium		0.050	S	**53.0**	5.000	49.66	66.2	75	125	11/04/2024

Batch 230538 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24101589-019CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**84.2**	5.000	83.74	9.8	85.29	1.25	11/04/2024
Magnesium		0.050	S	**40.3**	5.000	36.86	69.0	40.32	0.03	11/05/2024
Potassium		0.100		**5.35**	5.000	0.4582	97.8	5.356	0.12	11/04/2024
Sodium		0.050	S	**52.5**	5.000	49.66	57.6	52.97	0.82	11/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 230538 **SampType:** MS Units **mg/L**
SampID: 24102768-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**3.91**	4.000	0	97.8	75	125	11/05/2024

Batch 230538 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24102768-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**3.97**	4.000	0	99.2	3.910	1.52	11/05/2024

Batch 230540 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230540

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	11/05/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	11/05/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/05/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	11/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/05/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/05/2024

Batch 230540 **SampType:** LCS Units **mg/L**
SampID: LCS-230540

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**4.43**	5.000	0	88.5	85	115	11/05/2024
Iron		0.0400		**3.82**	4.000	0	95.5	85	115	11/05/2024
Magnesium		0.0500		**4.27**	5.000	0	85.5	85	115	11/05/2024
Manganese		0.0070		**0.892**	1.000	0	89.2	85	115	11/05/2024
Potassium		0.100		**4.82**	5.000	0	96.4	85	115	11/05/2024
Sodium		0.0500		**4.66**	5.000	0	93.2	85	115	11/05/2024

Batch 230540 **SampType:** MS Units **mg/L**
SampID: 24102570-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**4.86**	4.000	0.9568	97.6	75	125	11/05/2024
Manganese		0.0070		**1.27**	1.000	0.3876	88.3	75	125	11/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 230540 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24102570-002CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		**5.03**	4.000	0.9568	101.8	4.860	3.44	11/05/2024
Manganese		0.0070		**1.31**	1.000	0.3876	92.6	1.270	3.35	11/05/2024

Batch 230602 **SampType:** MBLK Units **mg/L**

SampID: MBLK-230602

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	11/04/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	11/04/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	11/04/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	11/04/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	11/04/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	11/04/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	11/04/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/04/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	11/04/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	11/04/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	11/04/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	11/04/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	11/04/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/04/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	11/04/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	11/04/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	11/04/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/04/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	11/04/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	11/04/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/05/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	11/04/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	11/04/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	11/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 230602 **SampType:** LCS Units **mg/L**

SampID: LCS-230602

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**3.51**	4.000	0	87.8	85	115	11/04/2024
Antimony		0.0500		**0.862**	1.000	0	86.2	85	115	11/04/2024
Arsenic		0.0250		**0.883**	1.000	0	88.3	85	115	11/04/2024
Barium		0.0025		**3.40**	4.000	0	85.0	85	115	11/04/2024
Beryllium		0.0005		**0.0918**	0.1000	0	91.8	85	115	11/04/2024
Boron		0.0200		**0.856**	1.000	0	85.6	85	115	11/04/2024
Cadmium		0.0020		**0.0862**	0.1000	0	86.2	85	115	11/04/2024
Calcium		0.100		**4.60**	5.000	0	92.0	85	115	11/04/2024
Chromium		0.0050		**0.372**	0.4000	0	93.1	85	115	11/04/2024
Cobalt		0.0050		**0.970**	1.000	0	97.0	85	115	11/04/2024
Copper		0.0050		**0.473**	0.5000	0	94.6	85	115	11/04/2024
Iron		0.0400		**3.76**	4.000	0	94.0	85	115	11/04/2024
Lead		0.0150		**0.917**	1.000	0	91.7	85	115	11/04/2024
Magnesium		0.0500		**4.38**	5.000	0	87.6	85	115	11/05/2024
Manganese		0.0070		**0.914**	1.000	0	91.4	85	115	11/04/2024
Molybdenum		0.0100		**0.913**	1.000	0	91.3	85	115	11/04/2024
Nickel		0.0050		**0.934**	1.000	0	93.4	85	115	11/04/2024
Potassium		0.100		**4.75**	5.000	0	95.1	85	115	11/04/2024
Selenium		0.0400		**0.873**	1.000	0	87.3	85	115	11/04/2024
Silver		0.0070		**0.0881**	0.1000	0	88.1	85	115	11/04/2024
Sodium		0.0500		**4.53**	5.000	0	90.5	85	115	11/04/2024
Thallium		0.0500		**0.447**	0.5000	0	89.4	85	115	11/04/2024
Vanadium		0.0100		**0.930**	1.000	0	93.0	85	115	11/04/2024
Zinc		0.0100		**0.904**	1.000	0	90.4	85	115	11/04/2024

Batch 230602 **SampType:** MS Units **mg/L**

SampID: 24101589-005DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**69.0**	5.000	66.64	46.6	75	125	11/04/2024
Magnesium		0.050	S	**30.7**	5.000	27.52	63.0	75	125	11/04/2024
Potassium		0.100		**5.17**	5.000	0.4215	94.9	75	125	11/04/2024
Sodium		0.050	S	**50.6**	5.000	48.50	41.6	75	125	11/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 230602 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24101589-005DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**69.3**	5.000	66.64	53.0	68.97	0.46	11/04/2024
Magnesium		0.050	S	**31.0**	5.000	27.52	68.5	30.68	0.89	11/04/2024
Potassium		0.100		**5.33**	5.000	0.4215	98.2	5.168	3.13	11/04/2024
Sodium		0.050	S	**51.4**	5.000	48.50	59.0	50.58	1.71	11/05/2024

Batch 230602 **SampType:** MS Units **mg/L**

SampID: 24110049-003CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Potassium		0.100		**6.25**	5.000	1.221	100.7	75	125	11/04/2024
Sodium		0.0500	S	**169**	5.000	175.5	-132.2	75	125	11/05/2024

Batch 230602 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24110049-003CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Potassium		0.100		**5.91**	5.000	1.221	93.8	6.254	5.62	11/04/2024
Sodium		0.0500	S	**168**	5.000	175.5	-141.4	168.9	0.27	11/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 230603 **SampType:** MBLK Units **mg/L**

SampID: MBLK-230603

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	11/04/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	11/04/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	11/04/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	11/04/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	11/04/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	11/04/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/04/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/05/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	11/04/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	11/04/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	11/04/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	11/04/2024
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	11/04/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/05/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	11/04/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	11/04/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	11/04/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/04/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	11/04/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	11/04/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/05/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	11/04/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	11/04/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	11/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 230603 **SampType:** LCS Units **mg/L**

SampID: LCS-230603

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**1.99**	2.000	0	99.4	85	115	11/05/2024
Antimony		0.0500		**0.498**	0.5000	0	99.5	85	115	11/05/2024
Arsenic		0.0250		**0.493**	0.5000	0	98.6	85	115	11/05/2024
Barium		0.0025		**1.97**	2.000	0	98.5	85	115	11/05/2024
Beryllium		0.0005		**0.0503**	0.0500	0	100.6	85	115	11/05/2024
Cadmium		0.0020		**0.0478**	0.0500	0	95.6	85	115	11/05/2024
Calcium		0.100		**2.52**	2.500	0	100.7	85	115	11/05/2024
Chromium		0.0050		**0.201**	0.2000	0	100.3	85	115	11/05/2024
Cobalt		0.0050		**0.523**	0.5000	0	104.7	85	115	11/05/2024
Copper		0.0050		**0.256**	0.2500	0	102.3	85	115	11/05/2024
Iron		0.0400		**2.03**	2.000	0	101.5	85	115	11/05/2024
Lead		0.0150		**0.494**	0.5000	0	98.8	85	115	11/05/2024
Magnesium		0.0500		**2.33**	2.500	0	93.2	85	115	11/05/2024
Manganese		0.0070		**0.493**	0.5000	0	98.6	85	115	11/05/2024
Molybdenum		0.0100		**0.494**	0.5000	0	98.8	85	115	11/05/2024
Nickel		0.0050		**0.505**	0.5000	0	100.9	85	115	11/05/2024
Potassium		0.100		**2.50**	2.500	0	99.9	85	115	11/05/2024
Selenium		0.0400		**0.490**	0.5000	0	98.0	85	115	11/05/2024
Silver		0.0070		**0.0486**	0.0500	0	97.2	85	115	11/05/2024
Sodium		0.0500		**2.48**	2.500	0	99.0	85	115	11/05/2024
Thallium		0.0500		**0.237**	0.2500	0	94.7	85	115	11/05/2024
Vanadium		0.0100		**0.512**	0.5000	0	102.3	85	115	11/05/2024
Zinc		0.0100		**0.494**	0.5000	0	98.9	85	115	11/05/2024

Batch 230735 **SampType:** MBLK Units **mg/L**

SampID: MBLK-230735

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	11/06/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/06/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/06/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/06/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/06/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/06/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/06/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 230735 **SampType:** LCS Units **mg/L**
SampID: LCS-230735

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**4.65**	5.000	0	93.0	85	115	11/06/2024
Calcium		0.100		**4.35**	5.000	0	86.9	85	115	11/06/2024
Magnesium		0.0500		**4.28**	5.000	0	85.6	85	115	11/06/2024
Magnesium		0.0500		**4.86**	5.000	0	97.2	85	115	11/06/2024
Potassium		0.100		**5.00**	5.000	0	99.9	85	115	11/06/2024
Potassium		0.100		**4.84**	5.000	0	96.7	85	115	11/06/2024
Sodium		0.0500		**4.92**	5.000	0	98.4	85	115	11/06/2024
Sodium		0.0500		**4.60**	5.000	0	92.0	85	115	11/06/2024

Batch 230956 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230956

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	11/11/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/11/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/11/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/11/2024

Batch 230956 **SampType:** LCS Units **mg/L**
SampID: LCS-230956

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**4.71**	5.000	0	94.3	85	115	11/11/2024
Magnesium		0.0500		**4.50**	5.000	0	90.1	85	115	11/11/2024
Potassium		0.100		**4.94**	5.000	0	98.8	85	115	11/11/2024
Sodium		0.0500		**4.87**	5.000	0	97.5	85	115	11/11/2024

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230530 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230530

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	11/05/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	11/05/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/05/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	11/05/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/05/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230530 **SampType:** LCS Units **mg/L**
SampID: LCS-230530

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**4.77**	5.000	0	95.4	85	115	11/05/2024
Iron		0.0400		**4.14**	4.000	0	103.5	85	115	11/05/2024
Magnesium		0.0500		**4.61**	5.000	0	92.2	85	115	11/05/2024
Manganese		0.0070		**0.946**	1.000	0	94.6	85	115	11/05/2024
Potassium		0.100		**5.27**	5.000	0	105.5	85	115	11/05/2024
Sodium		0.0500		**5.10**	5.000	0	101.9	85	115	11/05/2024

Batch 230530 **SampType:** MS Units **mg/L**
SampID: 24101589-027CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**80.6**	5.000	77.04	72.0	75	125	11/05/2024
Magnesium		0.050		**40.1**	5.000	36.00	82.8	75	125	11/05/2024
Potassium		0.100		**6.24**	5.000	0.8075	108.7	75	125	11/05/2024
Sodium		0.050		**74.2**	5.000	69.28	98.8	75	125	11/05/2024

Batch 230530 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24101589-027CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**83.7**	5.000	77.04	134.0	80.64	3.77	11/05/2024
Magnesium		0.050		**41.7**	5.000	36.00	113.1	40.14	3.70	11/05/2024
Potassium		0.100		**6.26**	5.000	0.8075	109.1	6.244	0.33	11/05/2024
Sodium		0.050	S	**76.4**	5.000	69.28	142.0	74.22	2.87	11/05/2024

Batch 230585 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230585

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	11/04/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/04/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/04/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230585 **SampType:** LCS Units **mg/L**
SampID: LCS-230585

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**5.05**	5.000	0	101.0	85	115	11/04/2024
Magnesium		0.0500		**4.92**	5.000	0	98.3	85	115	11/04/2024
Potassium		0.100		**5.22**	5.000	0	104.4	85	115	11/04/2024
Sodium		0.0500		**5.14**	5.000	0	102.8	85	115	11/04/2024

Batch 230585 **SampType:** MS Units **mg/L**
SampID: 24101589-035CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**58.6**	5.000	51.06	151.4	75	125	11/04/2024
Magnesium		0.050	S	**31.7**	5.000	25.38	126.0	75	125	11/05/2024
Potassium		0.100		**6.00**	5.000	0.5979	108.0	75	125	11/04/2024
Sodium		0.050	S	**65.8**	5.000	57.99	155.8	75	125	11/04/2024

Batch 230585 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24101589-035CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**55.7**	5.000	51.06	92.0	58.63	5.20	11/04/2024
Magnesium		0.050		**31.2**	5.000	25.38	115.4	31.68	1.67	11/05/2024
Potassium		0.100		**5.84**	5.000	0.5979	104.9	5.996	2.58	11/04/2024
Sodium		0.050		**63.7**	5.000	57.99	113.6	65.78	3.26	11/04/2024

Batch 230586 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230586

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	11/04/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/04/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/04/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/04/2024

Batch 230586 **SampType:** LCS Units **mg/L**
SampID: LCS-230586

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**4.95**	5.000	0	98.9	85	115	11/04/2024
Magnesium		0.0500		**4.73**	5.000	0	94.6	85	115	11/04/2024
Potassium		0.100		**5.22**	5.000	0	104.3	85	115	11/04/2024
Sodium		0.0500		**5.08**	5.000	0	101.7	85	115	11/04/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230586 **SampType:** MS Units **mg/L**

SampID: 24101589-047CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**156**	5.000	147.5	171.0	75	125	11/04/2024
Magnesium		0.050		**79.3**	5.000	73.32	119.7	75	125	11/04/2024
Potassium		0.100		**6.01**	5.000	0.6162	107.9	75	125	11/04/2024
Sodium		0.050	S	**103**	5.000	94.97	151.2	75	125	11/05/2024

Batch 230586 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24101589-047CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**156**	5.000	147.5	169.6	156.0	0.04	11/04/2024
Magnesium		0.050		**79.2**	5.000	73.32	118.3	79.31	0.09	11/04/2024
Potassium		0.100		**6.00**	5.000	0.6162	107.7	6.009	0.17	11/04/2024
Sodium		0.050	S	**102**	5.000	94.97	148.2	102.5	0.15	11/05/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230588 **SampType:** MBLK Units **mg/L**

SampID: MBLK-230588

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	11/04/2024
Antimony		0.0500		**< 0.0500**	0.0068	0	0	-100	100	11/04/2024
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	11/04/2024
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	11/04/2024
Beryllium		0.0005		**< 0.0005**	0.0002	0	0	-100	100	11/04/2024
Boron		0.0200		**< 0.0200**	0.0090	0	0	-100	100	11/04/2024
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	11/04/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/04/2024
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	11/04/2024
Cobalt		0.0050		**< 0.0050**	0.0020	0	0	-100	100	11/04/2024
Copper		0.0050		**< 0.0050**	0.0013	0	0	-100	100	11/04/2024
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	11/04/2024
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	11/04/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/04/2024
Manganese		0.0070		**< 0.0070**	0.0025	0	0	-100	100	11/04/2024
Molybdenum		0.0100		**< 0.0100**	0.0037	0	0	-100	100	11/04/2024
Nickel		0.0050		**< 0.0050**	0.0016	0	0	-100	100	11/04/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/04/2024
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	11/04/2024
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	11/04/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/04/2024
Thallium		0.0500		**< 0.0500**	0.0111	0	0	-100	100	11/04/2024
Vanadium		0.0100		**< 0.0100**	0.0009	0	0	-100	100	11/04/2024
Zinc		0.0100		**< 0.0100**	0.0050	0	0	-100	100	11/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230588 **SampType:** LCS Units **mg/L**

SampID: LCS-230588

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		**3.80**	4.000	0	95.0	85	115	11/04/2024
Antimony		0.0500		**0.996**	1.000	0	99.6	85	115	11/04/2024
Arsenic		0.0250		**0.970**	1.000	0	97.0	85	115	11/04/2024
Barium		0.0025		**3.66**	4.000	0	91.5	85	115	11/04/2024
Beryllium		0.0005		**0.0988**	0.1000	0	98.8	85	115	11/04/2024
Boron		0.0200		**0.926**	1.000	0	92.6	85	115	11/04/2024
Cadmium		0.0020		**0.0930**	0.1000	0	93.0	85	115	11/04/2024
Calcium		0.100		**5.04**	5.000	0	100.8	85	115	11/04/2024
Chromium		0.0050		**0.399**	0.4000	0	99.7	85	115	11/04/2024
Cobalt		0.0050		**1.03**	1.000	0	103.5	85	115	11/04/2024
Copper		0.0050		**0.512**	0.5000	0	102.4	85	115	11/04/2024
Iron		0.0400		**4.09**	4.000	0	102.2	85	115	11/04/2024
Lead		0.0150		**0.981**	1.000	0	98.1	85	115	11/04/2024
Magnesium		0.0500		**4.56**	5.000	0	91.1	85	115	11/04/2024
Manganese		0.0070		**0.988**	1.000	0	98.8	85	115	11/04/2024
Molybdenum		0.0100		**0.974**	1.000	0	97.4	85	115	11/04/2024
Nickel		0.0050		**0.999**	1.000	0	99.9	85	115	11/04/2024
Potassium		0.100		**5.11**	5.000	0	102.3	85	115	11/04/2024
Selenium		0.0400		**0.945**	1.000	0	94.5	85	115	11/04/2024
Silver		0.0070		**0.0961**	0.1000	0	96.1	85	115	11/04/2024
Sodium		0.0500		**4.93**	5.000	0	98.6	85	115	11/04/2024
Thallium		0.0500		**0.480**	0.5000	0	96.1	85	115	11/04/2024
Vanadium		0.0100		**1.00**	1.000	0	100.0	85	115	11/04/2024
Zinc		0.0100		**0.978**	1.000	0	97.8	85	115	11/04/2024

Batch 230588 **SampType:** MS Units **mg/L**

SampID: 24101589-097CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**94.2**	5.000	88.60	111.8	75	125	11/04/2024
Magnesium		0.050		**44.5**	5.000	39.58	98.5	75	125	11/04/2024
Potassium		0.100		**5.81**	5.000	0.6101	104.1	75	125	11/04/2024
Sodium		0.050		**65.4**	5.000	60.83	90.6	75	125	11/05/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230588 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24101589-097CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**93.7**	5.000	88.60	102.2	94.19	0.51	11/04/2024
Magnesium		0.050		**44.4**	5.000	39.58	96.1	44.50	0.27	11/04/2024
Potassium		0.100		**5.89**	5.000	0.6101	105.6	5.813	1.29	11/04/2024
Sodium		0.050		**64.8**	5.000	60.83	79.0	65.36	0.89	11/05/2024

Batch 230588 **SampType:** MS Units **mg/L**

SampID: 24102795-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**1.01**	1.000	0	101.4	75	125	11/04/2024
Copper		0.0050		**0.554**	0.5000	0.02820	105.2	75	125	11/04/2024
Molybdenum		0.0100		**1.02**	1.000	0	102.1	75	125	11/04/2024
Selenium		0.0400		**0.970**	1.000	0	97.0	75	125	11/04/2024
Zinc		0.0100	S	**7.85**	1.000	34.87	-2702	75	125	11/04/2024

Batch 230588 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 24102795-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**1.03**	1.000	0	103.0	1.014	1.62	11/04/2024
Copper		0.0050		**0.566**	0.5000	0.02820	107.7	0.5540	2.23	11/04/2024
Molybdenum		0.0100		**1.04**	1.000	0	104.3	1.021	2.08	11/04/2024
Selenium		0.0400		**0.988**	1.000	0	98.8	0.9705	1.79	11/04/2024
Zinc		0.0100	S	**8.14**	1.000	34.87	-2673	7.850	3.63	11/04/2024

Batch 230732 **SampType:** MBLK Units **mg/L**

SampID: MBLK-230732

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	11/06/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/06/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/06/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230732 **SampType:** LCS Units **mg/L**
SampID: LCS-230732

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**5.01**	5.000	0	100.2	85	115	11/06/2024
Magnesium		0.0500		**5.11**	5.000	0	102.1	85	115	11/06/2024
Sodium		0.0500		**5.05**	5.000	0	101.0	85	115	11/06/2024

Batch 230732 **SampType:** MS Units **mg/L**
SampID: 24110232-005DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**54.9**	5.000	49.54	108.0	75	125	11/06/2024
Magnesium		0.0500		**16.5**	5.000	11.43	101.9	75	125	11/06/2024

Batch 230732 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24110232-005DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		**54.4**	5.000	49.54	96.2	54.94	1.08	11/06/2024
Magnesium		0.0500		**16.3**	5.000	11.43	98.1	16.53	1.15	11/06/2024

Batch 230734 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230734

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	11/06/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/06/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/06/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/06/2024

Batch 230734 **SampType:** LCS Units **mg/L**
SampID: LCS-230734

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**4.75**	5.000	0	95.0	85	115	11/06/2024
Magnesium		0.0500		**4.75**	5.000	0	95.0	85	115	11/06/2024
Potassium		0.100		**5.18**	5.000	0	103.5	85	115	11/06/2024
Sodium		0.0500		**5.07**	5.000	0	101.4	85	115	11/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

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Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230877 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230877

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	11/12/2024
Calcium		0.100		**< 0.100**	0.0350	0	0	-100	100	11/08/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/12/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/08/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/12/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/08/2024
Sodium		0.0500		**< 0.0500**	0.0180	0	0	-100	100	11/12/2024
Sodium		0.0500	J	**0.018**	0.0180	0	100.0	-100	100	11/08/2024

Batch 230877 **SampType:** LCS Units **mg/L**
SampID: LCS-230877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**4.98**	5.000	0	99.6	85	115	11/12/2024
Calcium		0.100		**4.95**	5.000	0	99.1	85	115	11/08/2024
Magnesium		0.0500		**4.94**	5.000	0	98.9	85	115	11/12/2024
Magnesium		0.0500		**4.84**	5.000	0	96.8	85	115	11/08/2024
Potassium		0.100		**5.33**	5.000	0	106.6	85	115	11/08/2024
Potassium		0.100		**5.42**	5.000	0	108.5	85	115	11/12/2024
Sodium		0.0500		**5.31**	5.000	0	106.1	85	115	11/12/2024
Sodium		0.0500		**5.28**	5.000	0	105.5	85	115	11/08/2024

Batch 230949 **SampType:** MBLK Units **mg/L**
SampID: MBLK-230949

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	11/11/2024
Magnesium		0.0500		**< 0.0500**	0.0055	0	0	-100	100	11/11/2024
Potassium		0.100		**< 0.100**	0.0400	0	0	-100	100	11/11/2024
Sodium		0.0500	S	**0.0522**	0.0180	0	290.0	-100	100	11/11/2024

Batch 230949 **SampType:** LCS Units **mg/L**
SampID: LCS-230949

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		**5.27**	5.000	0	105.4	85	115	11/11/2024
Magnesium		0.0500		**5.01**	5.000	0	100.3	85	115	11/11/2024
Potassium		0.100		**5.34**	5.000	0	106.9	85	115	11/11/2024
Sodium		0.0500	B	**5.39**	5.000	0	107.8	85	115	11/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 230949 **SampType:** MS Units **mg/L**
SampID: 24101589-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	**120**	5.000	110.4	193.0	75	125	11/11/2024
Magnesium		0.050	S	**56.3**	5.000	49.54	135.0	75	125	11/11/2024
Potassium		0.100		**7.25**	5.000	1.883	107.3	75	125	11/11/2024
Sodium		0.050	BS	**72.6**	5.000	65.48	142.8	75	125	11/11/2024

Batch 230949 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 24101589-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	**118**	5.000	110.4	148.2	120.0	1.88	11/11/2024
Magnesium		0.050		**55.5**	5.000	49.54	119.2	56.29	1.41	11/11/2024
Potassium		0.100		**7.17**	5.000	1.883	105.7	7.246	1.04	11/11/2024
Sodium		0.050	B	**70.4**	5.000	65.48	99.2	72.62	3.05	11/11/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230481 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230481

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	11/02/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/15/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/01/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/01/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/01/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/01/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/06/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/02/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	11/02/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/01/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/01/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/01/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/01/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/01/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	11/01/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/01/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/02/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230481 **SampType:** LCS Units **µg/L**

SampID: LCS-230481

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3350**	4000	0	83.8	80	120	11/02/2024
Antimony		1.0		**1040**	1000	0	104.4	80	120	11/15/2024
Arsenic		1.0		**1060**	1000	0	105.8	80	120	11/01/2024
Barium		1.0		**3950**	4000	0	98.8	80	120	11/01/2024
Beryllium		1.0		**102**	100.0	0	101.8	80	120	11/01/2024
Boron		25.0		**1000**	1000	0	100.2	80	120	11/01/2024
Cadmium		1.0		**98.8**	100.0	0	98.8	80	120	11/01/2024
Chromium		1.5		**423**	400.0	0	105.8	80	120	11/06/2024
Cobalt		1.0		**932**	1000	0	93.2	80	120	11/02/2024
Copper		1.0		**479**	500.0	0	95.9	80	120	11/02/2024
Iron		25.0		**3940**	4000	0	98.6	80	120	11/01/2024
Lead		1.0		**1070**	1000	0	107.0	80	120	11/01/2024
Manganese		2.0		**881**	1000	0	88.1	80	120	11/01/2024
Molybdenum		1.5		**849**	1000	0	84.9	80	120	11/01/2024
Nickel		1.0		**924**	1000	0	92.4	80	120	11/01/2024
Selenium		1.0		**1060**	1000	0	105.8	80	120	11/02/2024
Selenium		1.0	S	**1290**	1000	0	128.8	80	120	11/01/2024
Silver		1.0		**107**	100.0	0	106.6	80	120	11/01/2024
Thallium		2.0		**500**	500.0	0	100.0	80	120	11/01/2024
Vanadium		5.0		**838**	1000	0	83.8	80	120	11/02/2024
Zinc		15.0		**1050**	1000	0	104.8	80	120	11/06/2024

Batch 230481 **SampType:** MS Units **µg/L**

SampID: 24101589-012CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	SE	**1390**	1000	0	139.5	75	125	11/15/2024
Arsenic		1.0		**1050**	1000	0.5071	104.8	75	125	11/01/2024
Barium		1.0		**3790**	4000	74.40	92.9	75	125	11/01/2024
Boron		25.0		**987**	1000	0	98.7	75	125	11/01/2024
Cadmium		1.0		**93.0**	100.0	0	93.0	75	125	11/01/2024
Chromium		1.5		**393**	400.0	0	98.3	75	125	11/06/2024
Cobalt		1.0		**884**	1000	0.1467	88.4	75	125	11/02/2024
Lead		1.0		**1030**	1000	0	103.0	75	125	11/01/2024
Manganese		2.0		**1050**	1000	68.47	98.0	75	125	11/06/2024
Zinc		15.0		**974**	1000	0	97.4	75	125	11/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230481 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 24101589-012CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0	SE	**1350**	1000	0	134.6	1395	3.52	11/15/2024
Arsenic		1.0		**1050**	1000	0.5071	105.0	1048	0.25	11/01/2024
Barium		1.0		**3860**	4000	74.40	94.7	3792	1.85	11/01/2024
Boron		25.0		**977**	1000	0	97.7	986.8	0.97	11/01/2024
Cadmium		1.0		**95.4**	100.0	0	95.4	92.96	2.60	11/01/2024
Chromium		1.5		**399**	400.0	0	99.8	393.1	1.57	11/06/2024
Cobalt		1.0		**860**	1000	0.1467	86.0	883.9	2.69	11/02/2024
Lead		1.0		**1060**	1000	0	105.6	1030	2.43	11/01/2024
Manganese		2.0		**1050**	1000	68.47	97.7	1049	0.28	11/06/2024
Zinc		15.0		**973**	1000	0	97.3	973.6	0.02	11/06/2024

Batch 230538 **SampType:** MBLK Units µg/L

SampID: MBLK-230538

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	11/01/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/12/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/01/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/01/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/01/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/01/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/06/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/01/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	11/01/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/01/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/01/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/01/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/01/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/01/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	11/01/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/01/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/01/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230538 **SampType:** LCS Units **µg/L**

SampID: LCS-230538

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3360**	4000	0	84.1	80	120	11/01/2024
Antimony		1.0		**865**	1000	0	86.5	80	120	11/11/2024
Arsenic		1.0		**963**	1000	0	96.3	80	120	11/01/2024
Barium		1.0		**3670**	4000	0	91.7	80	120	11/01/2024
Beryllium		1.0		**96.0**	100.0	0	96.0	80	120	11/01/2024
Boron		25.0		**943**	1000	0	94.3	80	120	11/01/2024
Cadmium		1.0		**92.8**	100.0	0	92.8	80	120	11/01/2024
Chromium		1.5		**400**	400.0	0	100.1	80	120	11/06/2024
Cobalt		1.0		**914**	1000	0	91.4	80	120	11/01/2024
Copper		1.0		**468**	500.0	0	93.5	80	120	11/01/2024
Iron		25.0		**3610**	4000	0	90.3	80	120	11/01/2024
Lead		1.0		**845**	1000	0	84.5	80	120	11/01/2024
Manganese		2.0		**976**	1000	0	97.6	80	120	11/06/2024
Molybdenum		1.5		**821**	1000	0	82.1	80	120	11/01/2024
Nickel		1.0		**995**	1000	0	99.5	80	120	11/06/2024
Selenium		1.0		**1020**	1000	0	102.3	80	120	11/01/2024
Silver		1.0		**106**	100.0	0	106.2	80	120	11/01/2024
Thallium		2.0		**469**	500.0	0	93.8	80	120	11/01/2024
Vanadium		5.0		**819**	1000	0	81.9	80	120	11/01/2024
Zinc		15.0		**989**	1000	0	98.9	80	120	11/06/2024

Batch 230538 **SampType:** MS Units **µg/L**

SampID: 24101589-019CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	SE	**1350**	1000	0.6905	134.5	75	125	11/15/2024
Arsenic		1.0		**1000**	1000	0.4035	100.0	75	125	11/01/2024
Barium		1.0		**3570**	4000	76.90	87.2	75	125	11/01/2024
Boron		25.0		**962**	1000	0	96.2	75	125	11/01/2024
Cadmium		1.0		**90.9**	100.0	0	90.9	75	125	11/01/2024
Chromium		1.5		**385**	400.0	0	96.3	75	125	11/06/2024
Cobalt		1.0		**880**	1000	0	88.0	75	125	11/01/2024
Lead		1.0		**853**	1000	0	85.3	75	125	11/01/2024
Manganese		2.0		**952**	1000	4.753	94.7	75	125	11/06/2024
Zinc		15.0		**952**	1000	0	95.2	75	125	11/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230538 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 24101589-019CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**1210**	1000	0.6905	120.9	1346	10.65	11/15/2024
Arsenic		1.0		**984**	1000	0.4035	98.3	1001	1.72	11/01/2024
Barium		1.0		**3550**	4000	76.90	86.7	3566	0.55	11/01/2024
Boron		25.0		**945**	1000	0	94.5	962.0	1.81	11/01/2024
Cadmium		1.0		**90.9**	100.0	0	90.9	90.91	0.03	11/01/2024
Chromium		1.5		**380**	400.0	0	95.1	385.4	1.31	11/06/2024
Cobalt		1.0		**871**	1000	0	87.1	880.4	1.10	11/01/2024
Lead		1.0		**846**	1000	0	84.6	852.7	0.83	11/01/2024
Manganese		2.0		**924**	1000	4.753	91.9	951.9	2.99	11/06/2024
Zinc		15.0		**913**	1000	0	91.3	951.8	4.11	11/06/2024

Batch 230540 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230540

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	11/13/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/11/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/13/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/13/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/13/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/13/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/13/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/13/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/13/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	11/13/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/13/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/09/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/13/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/14/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/13/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/13/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	11/14/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	11/15/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/09/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/13/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230540 **SampType:** LCS Units **µg/L**

SampID: LCS-230540

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3630**	4000	0	90.9	80	120	11/13/2024
Antimony		1.0		**1130**	1000	0	113.4	80	120	11/11/2024
Arsenic		1.0		**927**	1000	0	92.7	80	120	11/13/2024
Barium		1.0		**4410**	4000	0	110.1	80	120	11/13/2024
Beryllium		1.0		**88.9**	100.0	0	88.9	80	120	11/13/2024
Boron		25.0		**855**	1000	0	85.5	80	120	11/13/2024
Cadmium		1.0		**90.4**	100.0	0	90.4	80	120	11/13/2024
Chromium		1.5		**381**	400.0	0	95.1	80	120	11/13/2024
Cobalt		1.0		**805**	1000	0	80.5	80	120	11/13/2024
Copper		1.0		**468**	500.0	0	93.6	80	120	11/13/2024
Iron		25.0		**3740**	4000	0	93.5	80	120	11/13/2024
Lead		1.0		**1040**	1000	0	103.7	80	120	11/09/2024
Manganese		2.0		**936**	1000	0	93.6	80	120	11/13/2024
Molybdenum		1.5		**1150**	1000	0	115.4	80	120	11/14/2024
Nickel		1.0		**948**	1000	0	94.8	80	120	11/13/2024
Selenium		1.0		**902**	1000	0	90.2	80	120	11/13/2024
Silver		1.0		**110**	100.0	0	110.0	80	120	11/18/2024
Thallium		2.0		**508**	500.0	0	101.6	80	120	11/09/2024
Vanadium		5.0		**999**	1000	0	99.9	80	120	11/13/2024
Zinc		15.0		**922**	1000	0	92.2	80	120	11/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230540 **SampType:** MS Units **µg/L**

SampID: 24101589-054DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3440**	4000	0	86.0	75	125	11/14/2024
Antimony		1.0		**488**	500.0	0	97.5	75	125	11/16/2024
Arsenic		1.0		**1030**	1000	0.6753	102.9	75	125	11/14/2024
Barium		1.0		**2350**	2000	37.59	115.8	75	125	11/16/2024
Beryllium		1.0		**96.3**	100.0	0	96.3	75	125	11/14/2024
Boron		25.0	S	**7560**	1000	7304	25.4	75	125	11/14/2024
Cadmium		1.0		**92.1**	100.0	0.2756	91.9	75	125	11/14/2024
Chromium		1.5		**397**	400.0	1.226	99.0	75	125	11/14/2024
Cobalt		1.0		**810**	1000	0.1703	81.0	75	125	11/14/2024
Copper		1.0		**468**	500.0	2.080	93.1	75	125	11/14/2024
Iron		25.0		**3900**	4000	0	97.4	75	125	11/14/2024
Lead		1.0		**533**	500.0	0	106.6	75	125	11/19/2024
Manganese		2.0		**1450**	1000	409.0	104.1	75	125	11/14/2024
Molybdenum		1.5		**1240**	1000	0	123.6	75	125	11/14/2024
Nickel		1.0		**946**	1000	14.86	93.1	75	125	11/14/2024
Selenium		1.0		**967**	1000	4.071	96.3	75	125	11/14/2024
Silver		1.0	S	**11.9**	50.00	0	23.8	75	125	11/19/2024
Thallium		2.0		**503**	500.0	0	100.6	75	125	11/09/2024
Vanadium		5.0		**1110**	1000	0	110.7	75	125	11/14/2024
Zinc		15.0		**910**	1000	0	91.0	75	125	11/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch **230540** **SampType:** **MSD** Units **µg/L** RPD Limit **20**

SampID: 24101589-054DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**3480**	4000	0	86.9	3439	1.13	11/14/2024
Antimony		1.0		**489**	500.0	0	97.7	487.5	0.22	11/16/2024
Arsenic		1.0		**1020**	1000	0.6753	101.9	1030	0.98	11/14/2024
Barium		1.0		**2370**	2000	37.59	116.8	2354	0.79	11/16/2024
Beryllium		1.0		**94.0**	100.0	0	94.0	96.28	2.43	11/14/2024
Boron		25.0	S	**7430**	1000	7304	12.8	7559	1.69	11/14/2024
Cadmium		1.0		**91.3**	100.0	0.2756	91.0	92.14	0.96	11/14/2024
Chromium		1.5		**396**	400.0	1.226	98.8	397.1	0.18	11/14/2024
Cobalt		1.0		**802**	1000	0.1703	80.2	810.4	1.01	11/14/2024
Copper		1.0		**462**	500.0	2.080	92.0	467.6	1.20	11/14/2024
Iron		25.0		**3870**	4000	0	96.8	3895	0.62	11/14/2024
Lead		1.0		**539**	500.0	0	107.7	532.8	1.09	11/19/2024
Manganese		2.0		**1460**	1000	409.0	105.1	1450	0.67	11/14/2024
Molybdenum		1.5		**1230**	1000	0	122.6	1236	0.81	11/14/2024
Nickel		1.0		**948**	1000	14.86	93.3	946.3	0.12	11/14/2024
Selenium		1.0		**955**	1000	4.071	95.1	967.3	1.32	11/14/2024
Silver		1.0	S	**13.9**	50.00	0	27.7	11.90	15.26	11/19/2024
Thallium		2.0		**488**	500.0	0	97.6	502.9	3.05	11/09/2024
Vanadium		5.0		**1120**	1000	0	112.3	1107	1.45	11/14/2024
Zinc		15.0		**898**	1000	0	89.8	910.4	1.37	11/14/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230602 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230602

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	11/13/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/11/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/09/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/09/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/09/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/09/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/09/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/09/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	11/09/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	11/12/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/09/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/09/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/09/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/09/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/09/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/09/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	11/09/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/09/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/09/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230602 **SampType:** LCS Units **µg/L**

SampID: LCS-230602

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3390**	4000	0	84.8	80	120	11/13/2024
Antimony		2.0		**933**	1000	0	93.3	80	120	11/15/2024
Arsenic		1.0		**937**	1000	0	93.7	80	120	11/09/2024
Barium		1.0		**4370**	4000	0	109.2	80	120	11/12/2024
Beryllium		1.0		**95.4**	100.0	0	95.4	80	120	11/09/2024
Boron		25.0		**955**	1000	0	95.5	80	120	11/09/2024
Cadmium		1.0		**117**	100.0	0	117.3	80	120	11/09/2024
Chromium		1.5		**379**	400.0	0	94.6	80	120	11/09/2024
Cobalt		1.0		**817**	1000	0	81.7	80	120	11/12/2024
Copper		1.0		**462**	500.0	0	92.3	80	120	11/09/2024
Iron		25.0		**3750**	4000	0	93.7	80	120	11/09/2024
Lead		1.0		**960**	1000	0	96.0	80	120	11/09/2024
Manganese		2.0		**951**	1000	0	95.1	80	120	11/09/2024
Molybdenum		1.5		**1190**	1000	0	119.3	80	120	11/09/2024
Nickel		1.0		**964**	1000	0	96.4	80	120	11/09/2024
Selenium		1.0		**927**	1000	0	92.7	80	120	11/09/2024
Silver		1.0		**109**	100.0	0	109.0	80	120	11/09/2024
Thallium		2.0		**470**	500.0	0	94.0	80	120	11/09/2024
Vanadium		5.0		**1030**	1000	0	102.6	80	120	11/09/2024
Zinc		15.0		**885**	1000	0	88.5	80	120	11/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230602 **SampType:** MS Units **µg/L**

SampID: 24101589-005DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3760**	4000	0	94.0	75	125	11/18/2024
Antimony		1.0		**1050**	1000	0	104.5	75	125	11/15/2024
Arsenic		1.0		**925**	1000	0	92.5	75	125	11/09/2024
Barium		1.0		**4550**	4000	46.80	112.5	75	125	11/13/2024
Beryllium		1.0		**96.2**	100.0	0	96.2	75	125	11/09/2024
Boron		25.0		**962**	1000	14.96	94.7	75	125	11/09/2024
Cadmium		1.0		**115**	100.0	0	115.0	75	125	11/09/2024
Chromium		1.5		**365**	400.0	0.7146	91.0	75	125	11/09/2024
Cobalt		1.0		**828**	1000	0	82.8	75	125	11/13/2024
Copper		1.0		**436**	500.0	0.8106	87.0	75	125	11/09/2024
Iron		25.0		**3620**	4000	0	90.5	75	125	11/09/2024
Lead		1.0		**946**	1000	0	94.6	75	125	11/09/2024
Manganese		2.0		**908**	1000	5.897	90.2	75	125	11/09/2024
Molybdenum		1.5		**1180**	1000	0.8697	118.4	75	125	11/09/2024
Nickel		1.0		**878**	1000	0.5641	87.7	75	125	11/09/2024
Selenium		1.0		**899**	1000	1.312	89.8	75	125	11/09/2024
Silver		1.0		**105**	100.0	0	105.2	75	125	11/09/2024
Thallium		2.0		**466**	500.0	0	93.1	75	125	11/09/2024
Vanadium		5.0		**1000**	1000	0	100.2	75	125	11/09/2024
Zinc		15.0		**854**	1000	0	85.4	75	125	11/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch **230602** **SampType:** **MSD** Units **µg/L** RPD Limit **20**

SampID: 24101589-005DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**3830**	4000	0	95.6	3761	1.68	11/18/2024
Antimony		1.0		**1090**	1000	0	108.8	1045	4.00	11/15/2024
Arsenic		1.0		**977**	1000	0	97.7	924.6	5.57	11/09/2024
Barium		1.0		**4650**	4000	46.80	115.1	4545	2.33	11/13/2024
Beryllium		1.0		**99.5**	100.0	0	99.5	96.19	3.40	11/09/2024
Boron		25.0		**1010**	1000	14.96	99.3	961.7	4.74	11/09/2024
Cadmium		1.0		**123**	100.0	0	123.1	115.0	6.80	11/09/2024
Chromium		1.5		**389**	400.0	0.7146	97.0	364.8	6.32	11/09/2024
Cobalt		1.0		**831**	1000	0	83.1	828.2	0.38	11/13/2024
Copper		1.0		**458**	500.0	0.8106	91.5	435.8	5.03	11/09/2024
Iron		25.0		**3830**	4000	0	95.6	3619	5.54	11/09/2024
Lead		1.0		**1000**	1000	0	100.0	945.7	5.56	11/09/2024
Manganese		2.0		**1010**	1000	5.897	100.1	907.5	10.40	11/09/2024
Molybdenum		1.5	SE	**1290**	1000	0.8697	129.0	1184	8.58	11/09/2024
Nickel		1.0		**1000**	1000	0.5641	100.0	877.6	13.12	11/09/2024
Selenium		1.0		**949**	1000	1.312	94.8	898.9	5.46	11/09/2024
Silver		1.0		**114**	100.0	0	113.8	105.2	7.81	11/09/2024
Thallium		2.0		**493**	500.0	0	98.6	465.7	5.64	11/09/2024
Vanadium		5.0		**1050**	1000	0	105.4	1002	4.98	11/09/2024
Zinc		15.0		**888**	1000	0	88.8	854.0	3.85	11/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch **230603** **SampType:** **MBLK** Units **µg/L**

SampID: MBLK-230603

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	11/09/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/11/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/09/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/09/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/09/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/09/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/09/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/09/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/12/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	11/12/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/09/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/09/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/19/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/09/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/09/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/09/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	11/09/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/09/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/09/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230603 **SampType:** LCS Units **µg/L**

SampID: LCS-230603

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3790**	4000	0	94.7	80	120	11/09/2024
Antimony		1.0		**1070**	1000	0	107.0	80	120	11/11/2024
Arsenic		1.0		**959**	1000	0	95.9	80	120	11/09/2024
Barium		1.0		**4360**	4000	0	109.1	80	120	11/12/2024
Beryllium		1.0		**96.2**	100.0	0	96.2	80	120	11/09/2024
Boron		25.0		**947**	1000	0	94.7	80	120	11/09/2024
Cadmium		1.0		**120**	100.0	0	119.9	80	120	11/09/2024
Chromium		1.5		**384**	400.0	0	95.9	80	120	11/09/2024
Cobalt		1.0		**823**	1000	0	82.3	80	120	11/12/2024
Copper		1.0		**479**	500.0	0	95.9	80	120	11/12/2024
Iron		25.0		**3770**	4000	0	94.3	80	120	11/09/2024
Lead		1.0		**955**	1000	0	95.5	80	120	11/09/2024
Manganese		2.0		**990**	1000	0	99.0	80	120	11/19/2024
Molybdenum		1.5		**1090**	1000	0	108.7	80	120	11/13/2024
Nickel		1.0		**951**	1000	0	95.1	80	120	11/09/2024
Selenium		1.0		**947**	1000	0	94.7	80	120	11/09/2024
Silver		1.0		**113**	100.0	0	112.8	80	120	11/09/2024
Thallium		2.0		**467**	500.0	0	93.4	80	120	11/09/2024
Vanadium		5.0		**1020**	1000	0	102.2	80	120	11/09/2024
Zinc		15.0		**900**	1000	0	90.0	80	120	11/09/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230603 **SampType:** MS Units **µg/L**

SampID: 24101589-098DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3910**	4000	0	97.7	75	125	11/13/2024
Antimony		1.0		**1080**	1000	0	107.8	75	125	11/15/2024
Arsenic		1.0		**1050**	1000	0.5330	104.6	75	125	11/13/2024
Barium		1.0		**4670**	4000	65.56	115.1	75	125	11/13/2024
Beryllium		1.0		**107**	100.0	0	107.3	75	125	11/13/2024
Boron		25.0		**1060**	1000	17.03	104.7	75	125	11/13/2024
Cadmium		1.0		**102**	100.0	0	102.3	75	125	11/13/2024
Cobalt		1.0		**839**	1000	0.5893	83.9	75	125	11/13/2024
Copper		1.0		**484**	500.0	1.195	96.5	75	125	11/13/2024
Iron		25.0		**4570**	4000	496.2	101.8	75	125	11/13/2024
Lead		1.0		**997**	1000	0	99.7	75	125	11/09/2024
Manganese		2.0		**1440**	1000	505.7	93.5	75	125	11/19/2024
Molybdenum		1.5		**1230**	1000	1.487	122.7	75	125	11/14/2024
Selenium		1.0		**999**	1000	0	99.9	75	125	11/13/2024
Silver		1.0		**87.6**	100.0	0	87.6	75	125	11/13/2024
Thallium		2.0		**481**	500.0	0	96.3	75	125	11/09/2024
Vanadium		5.0		**1110**	1000	0	110.8	75	125	11/13/2024
Zinc		15.0		**986**	1000	0	98.6	75	125	11/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch **230603** **SampType:** **MSD** Units **µg/L** RPD Limit **20**

SampID: 24101589-098DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**3890**	4000	0	97.3	3910	0.44	11/13/2024
Antimony		1.0		**1080**	1000	0	108.2	1078	0.36	11/15/2024
Arsenic		1.0		**1020**	1000	0.5330	101.5	1047	2.99	11/13/2024
Barium		1.0		**4550**	4000	65.56	112.2	4668	2.50	11/13/2024
Beryllium		1.0		**104**	100.0	0	104.4	107.3	2.75	11/13/2024
Boron		25.0		**1050**	1000	17.03	103.6	1064	1.01	11/13/2024
Cadmium		1.0		**98.5**	100.0	0	98.5	102.3	3.72	11/13/2024
Cobalt		1.0		**827**	1000	0.5893	82.7	839.4	1.47	11/13/2024
Copper		1.0		**470**	500.0	1.195	93.7	483.8	2.98	11/13/2024
Iron		25.0		**4540**	4000	496.2	101.2	4569	0.53	11/13/2024
Lead		1.0		**981**	1000	0	98.1	996.6	1.57	11/09/2024
Manganese		2.0		**1430**	1000	505.7	92.0	1441	1.08	11/19/2024
Molybdenum		1.5		**1230**	1000	1.487	123.3	1229	0.50	11/14/2024
Selenium		1.0		**973**	1000	0	97.3	999.3	2.63	11/13/2024
Silver		1.0		**85.5**	100.0	0	85.5	87.60	2.47	11/13/2024
Thallium		2.0		**484**	500.0	0	96.8	481.3	0.52	11/09/2024
Vanadium		5.0		**1090**	1000	0	108.6	1108	2.02	11/13/2024
Zinc		15.0		**966**	1000	0	96.6	986.3	2.11	11/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230735 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230735

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	11/12/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/11/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/12/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/12/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/12/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/12/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/12/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/12/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/12/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	11/12/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/12/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/09/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/12/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/14/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/12/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/12/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	11/15/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/09/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/12/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230735 **SampType:** LCS Units µg/L

SampID: LCS-230735

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**4080**	4000	0	102.0	80	120	11/12/2024
Antimony		1.0		**1090**	1000	0	108.5	80	120	11/11/2024
Arsenic		1.0		**1020**	1000	0	101.6	80	120	11/12/2024
Barium		1.0		**4730**	4000	0	118.3	80	120	11/12/2024
Beryllium		1.0		**105**	100.0	0	105.4	80	120	11/12/2024
Boron		25.0		**989**	1000	0	98.9	80	120	11/12/2024
Cadmium		1.0		**102**	100.0	0	102.5	80	120	11/12/2024
Chromium		1.5		**425**	400.0	0	106.2	80	120	11/12/2024
Cobalt		1.0		**861**	1000	0	86.1	80	120	11/12/2024
Copper		1.0		**511**	500.0	0	102.2	80	120	11/12/2024
Iron		25.0		**4090**	4000	0	102.3	80	120	11/12/2024
Lead		1.0		**990**	1000	0	99.0	80	120	11/09/2024
Manganese		2.0		**1020**	1000	0	102.3	80	120	11/12/2024
Molybdenum		1.5		**1140**	1000	0	114.0	80	120	11/14/2024
Nickel		1.0		**1020**	1000	0	102.5	80	120	11/12/2024
Selenium		1.0		**1000**	1000	0	100.4	80	120	11/12/2024
Silver		1.0		**107**	100.0	0	107.4	80	120	11/18/2024
Thallium		2.0		**481**	500.0	0	96.1	80	120	11/09/2024
Vanadium		5.0		**1110**	1000	0	111.2	80	120	11/12/2024
Zinc		15.0		**1020**	1000	0	102.1	80	120	11/12/2024

Batch 230735 **SampType:** MS Units µg/L

SampID: 24101589-081DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3950**	4000	0	98.9	75	125	11/14/2024
Arsenic		1.0		**1020**	1000	0	102.2	75	125	11/14/2024
Boron		25.0		**1040**	1000	104.3	93.5	75	125	11/20/2024
Copper		1.0		**478**	500.0	2.766	95.1	75	125	11/14/2024
Iron		25.0		**4050**	4000	0	101.4	75	125	11/14/2024
Lead		1.0		**994**	1000	0	99.4	75	125	11/09/2024
Manganese		20.0		**1260**	1000	323.3	93.4	75	125	11/14/2024
Nickel		1.0		**961**	1000	4.258	95.7	75	125	11/14/2024
Silver		1.0		**99.0**	100.0	0	99.0	75	125	11/19/2024
Vanadium		5.0		**1070**	1000	0	106.6	75	125	11/14/2024
Zinc		15.0		**913**	1000	0	91.3	75	125	11/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230735 **SampType: MSD** Units **µg/L** RPD Limit **20**

SampID: 24101589-081DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**4000**	4000	0	100.0	3954	1.15	11/14/2024
Arsenic		1.0		**1030**	1000	0	103.3	1022	1.07	11/14/2024
Boron		25.0		**1010**	1000	104.3	90.1	1039	3.31	11/20/2024
Copper		1.0		**484**	500.0	2.766	96.2	478.4	1.09	11/14/2024
Iron		25.0		**4090**	4000	0	102.2	4054	0.78	11/14/2024
Lead		1.0		**1020**	1000	0	101.6	993.8	2.22	11/09/2024
Manganese		20.0		**1300**	1000	323.3	97.8	1258	3.38	11/14/2024
Nickel		1.0		**971**	1000	4.258	96.7	961.1	1.04	11/14/2024
Silver		1.0		**101**	100.0	0	100.9	99.04	1.88	11/19/2024
Vanadium		5.0		**1130**	1000	0	113.3	1066	6.13	11/14/2024
Zinc		15.0		**906**	1000	0	90.6	913.0	0.76	11/19/2024

Batch 230956 **SampType: MBLK** Units **µg/L**

SampID: MBLK-230956

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	11/14/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/16/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/14/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/14/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/14/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/14/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/14/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/14/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/14/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	11/14/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/14/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/16/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/14/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/14/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/14/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/14/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	11/19/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/14/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/14/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230956 **SampType:** LCS Units µg/L

SampID: LCS-230956

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3790**	4000	0	94.7	80	120	11/14/2024
Antimony		1.0		**1120**	1000	0	112.5	80	120	11/16/2024
Arsenic		1.0		**940**	1000	0	94.0	80	120	11/14/2024
Barium		1.0		**4430**	4000	0	110.8	80	120	11/14/2024
Beryllium		1.0		**97.4**	100.0	0	97.4	80	120	11/14/2024
Boron		25.0		**936**	1000	0	93.6	80	120	11/14/2024
Cadmium		1.0		**92.6**	100.0	0	92.6	80	120	11/14/2024
Chromium		1.5		**394**	400.0	0	98.4	80	120	11/14/2024
Cobalt		1.0		**962**	1000	0	96.2	80	120	11/19/2024
Copper		1.0		**474**	500.0	0	94.7	80	120	11/14/2024
Iron		25.0		**3770**	4000	0	94.3	80	120	11/14/2024
Lead		1.0		**978**	1000	0	97.8	80	120	11/16/2024
Manganese		2.0		**947**	1000	0	94.7	80	120	11/14/2024
Molybdenum		1.5		**1020**	1000	0	102.5	80	120	11/14/2024
Nickel		1.0		**952**	1000	0	95.2	80	120	11/14/2024
Selenium		1.0		**915**	1000	0	91.5	80	120	11/14/2024
Silver		1.0		**105**	100.0	0	104.8	80	120	11/19/2024
Thallium		2.0		**474**	500.0	0	94.7	80	120	11/14/2024
Vanadium		5.0		**963**	1000	0	96.3	80	120	11/14/2024
Zinc		15.0		**949**	1000	0	94.9	80	120	11/19/2024

Batch 230956 **SampType:** MS Units µg/L

SampID: 24101589-075DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3700**	4000	0	92.5	75	125	11/14/2024
Arsenic		1.0		**957**	1000	1.008	95.6	75	125	11/16/2024
Boron		500	S	**4870**	500.0	4820	10.4	75	125	11/20/2024
Copper		1.0		**436**	500.0	2.197	86.7	75	125	11/14/2024
Iron		500	S	**171000**	4000	181800	-265.6	75	125	11/19/2024
Lead		1.0		**1020**	1000	0	101.7	75	125	11/16/2024
Manganese		40.0	S	**20400**	1000	21250	-88.8	75	125	11/19/2024
Nickel		1.0		**950**	1000	60.03	89.0	75	125	11/14/2024
Silver		1.0		**48.2**	50.00	0	96.4	75	125	11/19/2024
Vanadium		5.0		**1080**	1000	0	107.8	75	125	11/14/2024
Zinc		15.0		**516**	500.0	52.70	92.6	75	125	11/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 230956 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 24101589-075DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**3700**	4000	0	92.4	3701	0.15	11/14/2024
Arsenic		1.0		**963**	1000	1.008	96.2	957.3	0.64	11/16/2024
Boron		500	S	**4740**	500.0	4820	-16.7	4872	2.82	11/20/2024
Copper		1.0		**429**	500.0	2.197	85.3	435.8	1.70	11/14/2024
Iron		500	S	**157000**	4000	181800	-629.0	171200	8.87	11/19/2024
Lead		1.0		**993**	1000	0	99.3	1017	2.37	11/16/2024
Manganese		40.0	S	**18500**	1000	21250	-272.8	20360	9.46	11/19/2024
Nickel		1.0		**931**	1000	60.03	87.1	950.5	2.05	11/14/2024
Silver		1.0		**47.0**	50.00	0	94.0	48.19	2.49	11/19/2024
Vanadium		5.0		**1090**	1000	0	108.9	1078	0.95	11/14/2024
Zinc		15.0		**503**	500.0	52.70	90.0	515.7	2.57	11/19/2024

Batch 232049 **SampType:** MBLK Units **µg/L**
SampID: MBLK-232049

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	12/11/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	12/10/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	12/10/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	12/10/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	12/10/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	12/10/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	12/10/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	12/10/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	12/10/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	12/10/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	12/10/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	12/10/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	12/10/2024
Silver		1.0		**< 1.0**	0.1000	0	0	-100	100	12/10/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	12/10/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	12/10/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 232049 **SampType:** LCS Units **µg/L**
SampID: LCS-232049

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**1070**	1000	0	106.7	80	120	12/11/2024
Arsenic		1.0		**908**	1000	0	90.8	80	120	12/10/2024
Beryllium		1.0		**90.6**	100.0	0	90.6	80	120	12/10/2024
Boron		25.0		**926**	1000	0	92.6	80	120	12/10/2024
Chromium		1.5		**378**	400.0	0	94.6	80	120	12/10/2024
Cobalt		1.0		**921**	1000	0	92.1	80	120	12/10/2024
Copper		1.0		**463**	500.0	0	92.6	80	120	12/10/2024
Iron		25.0		**3700**	4000	0	92.5	80	120	12/10/2024
Lead		1.0		**912**	1000	0	91.2	80	120	12/10/2024
Manganese		2.0		**915**	1000	0	91.5	80	120	12/10/2024
Molybdenum		1.5		**913**	1000	0	91.3	80	120	12/10/2024
Nickel		1.0		**916**	1000	0	91.6	80	120	12/10/2024
Selenium		1.0		**901**	1000	0	90.1	80	120	12/10/2024
Silver		1.0		**94.4**	100.0	0	94.4	80	120	12/10/2024
Thallium		2.0		**450**	500.0	0	90.0	80	120	12/10/2024
Vanadium		5.0		**926**	1000	0	92.6	80	120	12/10/2024

Batch 232049 **SampType:** MS Units **µg/L**
SampID: 24101589-098DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium		1.5		**372**	400.0	0	92.9	75	125	12/11/2024
Nickel		1.0		**862**	1000	0.6415	86.2	75	125	12/11/2024

Batch 232049 **SampType:** MSD Units **µg/L** RPD Limit **20**
SampID: 24101589-098DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium		1.5		**372**	400.0	0	92.9	371.8	0.02	12/11/2024
Nickel		1.0		**878**	1000	0.6415	87.7	862.4	1.77	12/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 232050 **SampType:** MBLK Units **µg/L**
SampID: MBLK-232050

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	12/10/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	12/10/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	12/10/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	12/10/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	12/10/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	12/10/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	12/10/2024

Batch 232050 **SampType:** LCS Units **µg/L**
SampID: LCS-232050

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**942**	1000	0	94.2	80	120	12/10/2024
Chromium		1.5		**395**	400.0	0	98.7	80	120	12/10/2024
Copper		1.0		**489**	500.0	0	97.7	80	120	12/10/2024
Iron		25.0		**3800**	4000	0	95.1	80	120	12/10/2024
Manganese		2.0		**947**	1000	0	94.7	80	120	12/10/2024
Molybdenum		1.5		**961**	1000	0	96.1	80	120	12/10/2024
Nickel		1.0		**956**	1000	0	95.6	80	120	12/10/2024

Batch 232343 **SampType:** MBLK Units **µg/L**
SampID: MBLK-232343

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	12/13/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	12/13/2024
Copper		1.0		**< 1.0**	0.3000	0	0	-100	100	12/13/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	12/13/2024

Batch 232343 **SampType:** LCS Units **µg/L**
SampID: LCS-232343

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**820**	1000	0	82.0	80	120	12/13/2024
Chromium		1.5		**351**	400.0	0	87.7	80	120	12/13/2024
Copper		1.0		**440**	500.0	0	87.9	80	120	12/13/2024
Nickel		1.0		**867**	1000	0	86.7	80	120	12/13/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230530 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230530

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	11/01/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/15/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/01/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/01/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/01/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/01/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/01/2024
Calcium		125		**< 125**	70.00	0	0	-100	100	11/06/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/06/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/01/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/01/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/01/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/01/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/01/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/01/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/01/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/01/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/01/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/01/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/01/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/01/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230530 **SampType:** LCS Units **µg/L**

SampID: LCS-230530

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3600**	4000	0	90.0	80	120	11/01/2024
Antimony		1.0		**1050**	1000	0	104.6	80	120	11/15/2024
Arsenic		1.0		**1060**	1000	0	106.3	80	120	11/01/2024
Barium		1.0		**4060**	4000	0	101.6	80	120	11/01/2024
Beryllium		1.0		**104**	100.0	0	104.2	80	120	11/01/2024
Boron		25.0		**1010**	1000	0	101.2	80	120	11/01/2024
Cadmium		1.0		**105**	100.0	0	105.2	80	120	11/01/2024
Calcium		125		**5150**	5000	0	103.1	80	120	11/06/2024
Chromium		1.5		**430**	400.0	0	107.6	80	120	11/06/2024
Cobalt		1.0		**972**	1000	0	97.2	80	120	11/01/2024
Copper		1.0		**508**	500.0	0	101.5	80	120	11/01/2024
Iron		25.0		**3900**	4000	0	97.4	80	120	11/01/2024
Lead		1.0		**898**	1000	0	89.8	80	120	11/01/2024
Lithium	*	3.0		**1030**	1000	0	102.6	80	120	11/01/2024
Manganese		2.0		**1040**	1000	0	103.7	80	120	11/06/2024
Molybdenum		1.5		**927**	1000	0	92.7	80	120	11/01/2024
Nickel		1.0		**850**	1000	0	85.0	80	120	11/01/2024
Selenium		1.0		**1130**	1000	0	112.7	80	120	11/01/2024
Silver		1.0		**119**	100.0	0	119.2	80	120	11/01/2024
Thallium		2.0		**481**	500.0	0	96.2	80	120	11/01/2024
Vanadium		5.0		**887**	1000	0	88.7	80	120	11/01/2024
Zinc		15.0		**1060**	1000	0	106.4	80	120	11/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230530 **SampType:** MS Units **µg/L**

SampID: 24101589-027CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**4150**	4000	113.6	101.0	75	125	11/06/2024
Antimony		1.0	SE	**1400**	1000	5.535	139.3	75	125	11/18/2024
Arsenic		1.0		**1130**	1000	0.7047	112.6	75	125	11/01/2024
Barium		1.0		**4160**	4000	52.39	102.8	75	125	11/01/2024
Beryllium		1.0		**109**	100.0	0	109.3	75	125	11/01/2024
Boron		25.0		**1060**	1000	0	105.6	75	125	11/01/2024
Cadmium		1.0		**109**	100.0	0	108.6	75	125	11/01/2024
Chromium		1.5		**459**	400.0	25.63	108.3	75	125	11/06/2024
Cobalt		1.0		**1070**	1000	0.3392	107.1	75	125	11/06/2024
Copper		1.0		**506**	500.0	2.332	100.7	75	125	11/01/2024
Iron		25.0		**4350**	4000	266.1	102.2	75	125	11/06/2024
Lead		1.0		**935**	1000	0	93.5	75	125	11/01/2024
Lithium	*	3.0		**1070**	1000	6.611	106.1	75	125	11/01/2024
Manganese		2.0		**2040**	1000	827.0	121.6	75	125	11/06/2024
Molybdenum		1.5		**956**	1000	1.417	95.5	75	125	11/01/2024
Nickel		1.0		**1050**	1000	16.18	103.2	75	125	11/06/2024
Silver		1.0		**120**	100.0	0	120.0	75	125	11/01/2024
Thallium		2.0		**506**	500.0	0	101.2	75	125	11/01/2024
Vanadium		5.0		**880**	1000	0	88.0	75	125	11/01/2024
Zinc		15.0		**1060**	1000	0	105.9	75	125	11/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch **230530** **SampType:** **MSD** Units **µg/L** RPD Limit **20**

SampID: 24101589-027CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**3950**	4000	113.6	95.9	4154	5.03	11/06/2024
Antimony		1.0	SE	**1300**	1000	5.535	129.5	1399	7.25	11/18/2024
Arsenic		1.0		**1110**	1000	0.7047	111.2	1127	1.23	11/01/2024
Barium		1.0		**4190**	4000	52.39	103.4	4164	0.61	11/01/2024
Beryllium		1.0		**109**	100.0	0	109.2	109.3	0.04	11/01/2024
Boron		25.0		**1070**	1000	0	106.7	1056	0.98	11/01/2024
Cadmium		1.0		**108**	100.0	0	108.2	108.6	0.31	11/01/2024
Chromium		1.5		**459**	400.0	25.63	108.4	459.0	0.06	11/06/2024
Cobalt		1.0		**1040**	1000	0.3392	103.9	1072	3.06	11/06/2024
Copper		1.0		**505**	500.0	2.332	100.4	505.9	0.27	11/01/2024
Iron		25.0		**4360**	4000	266.1	102.4	4353	0.17	11/06/2024
Lead		1.0		**939**	1000	0	93.9	935.1	0.44	11/01/2024
Lithium	*	3.0		**1060**	1000	6.611	105.1	1068	0.95	11/01/2024
Manganese		2.0		**2050**	1000	827.0	122.7	2043	0.52	11/06/2024
Molybdenum		1.5		**967**	1000	1.417	96.6	956.5	1.15	11/01/2024
Nickel		1.0		**1050**	1000	16.18	103.3	1048	0.05	11/06/2024
Silver		1.0		**120**	100.0	0	120.0	120.0	0.07	11/01/2024
Thallium		2.0		**517**	500.0	0	103.5	506.2	2.19	11/01/2024
Vanadium		5.0		**909**	1000	0	90.9	879.6	3.28	11/01/2024
Zinc		15.0		**1060**	1000	0	105.7	1059	0.14	11/06/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230585 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230585

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	11/08/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/11/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/08/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/08/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/08/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/08/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/08/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/08/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/08/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/12/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/08/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/08/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/08/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/08/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/08/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/08/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/08/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/08/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/08/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/08/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/05/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230585 **SampType:** LCS Units **µg/L**

SampID: LCS-230585

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**4220**	4000	0	105.6	80	120	11/08/2024
Antimony		2.0		**1040**	1000	0	103.5	80	120	11/15/2024
Arsenic		1.0		**1020**	1000	0	101.9	80	120	11/12/2024
Barium		1.0		**4690**	4000	0	117.2	80	120	11/12/2024
Beryllium		1.0		**112**	100.0	0	112.0	80	120	11/08/2024
Boron		25.0		**1090**	1000	0	109.4	80	120	11/08/2024
Cadmium		1.0		**103**	100.0	0	103.3	80	120	11/13/2024
Chromium		1.5		**434**	400.0	0	108.6	80	120	11/08/2024
Cobalt		1.0		**890**	1000	0	89.0	80	120	11/08/2024
Iron		25.0		**4280**	4000	0	106.9	80	120	11/08/2024
Lead		1.0		**1090**	1000	0	108.7	80	120	11/08/2024
Lithium	*	3.0		**1150**	1000	0	115.0	80	120	11/08/2024
Manganese		2.0		**1150**	1000	0	114.6	80	120	11/08/2024
Molybdenum		1.5	S	**1220**	1000	0	121.8	80	120	11/13/2024
Molybdenum		3.0		**995**	1000	0	99.5	80	120	11/15/2024
Nickel		1.0	S	**1240**	1000	0	124.2	80	120	11/08/2024
Nickel		1.0		**1040**	1000	0	104.3	80	120	11/12/2024
Selenium		1.0		**1020**	1000	0	102.2	80	120	11/12/2024
Silver		2.0		**106**	100.0	0	105.6	80	120	11/15/2024
Thallium		2.0		**532**	500.0	0	106.4	80	120	11/08/2024
Vanadium		5.0		**1170**	1000	0	116.9	80	120	11/08/2024
Zinc		15.0		**993**	1000	0	99.3	80	120	11/05/2024
Zinc		15.0		**1020**	1000	0	102.0	80	120	11/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230585 **SampType:** MS Units **µg/L**

SampID: 24101589-035CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**4330**	4000	31.60	107.4	75	125	11/08/2024
Antimony		1.0		**1170**	1000	0	117.1	75	125	11/15/2024
Arsenic		1.0		**1050**	1000	0	104.6	75	125	11/13/2024
Barium		1.0		**4940**	4000	56.98	122.0	75	125	11/13/2024
Beryllium		1.0		**111**	100.0	0	110.9	75	125	11/08/2024
Boron		25.0		**1100**	1000	0	110.2	75	125	11/08/2024
Cadmium		1.0		**110**	100.0	0	109.6	75	125	11/13/2024
Chromium		1.5		**433**	400.0	6.820	106.6	75	125	11/08/2024
Cobalt		1.0		**867**	1000	0.1707	86.7	75	125	11/08/2024
Copper		1.0		**514**	500.0	3.777	102.0	75	125	11/13/2024
Iron		25.0		**4300**	4000	80.40	105.4	75	125	11/08/2024
Lead		1.0		**1090**	1000	0	109.4	75	125	11/08/2024
Lithium	*	3.0		**1150**	1000	1.493	114.4	75	125	11/08/2024
Manganese		2.0		**1110**	1000	12.58	110.0	75	125	11/08/2024
Molybdenum		1.5	SE	**1300**	1000	0.8172	130.2	75	125	11/13/2024
Nickel		1.0		**1040**	1000	5.518	103.6	75	125	11/13/2024
Selenium		1.0		**1020**	1000	0	102.3	75	125	11/13/2024
Silver		1.0		**84.3**	100.0	0	84.3	75	125	11/15/2024
Thallium		2.0		**530**	500.0	0	106.1	75	125	11/08/2024
Vanadium		5.0		**1170**	1000	0	116.8	75	125	11/08/2024
Zinc		15.0		**996**	1000	0	99.6	75	125	11/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch **230585** **SampType:** **MSD** Units **µg/L** RPD Limit **20**

SampID: 24101589-035CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**4190**	4000	31.60	103.9	4328	3.26	11/08/2024
Antimony		1.0		**1150**	1000	0	114.6	1171	2.12	11/15/2024
Arsenic		1.0		**1030**	1000	0	102.8	1046	1.69	11/13/2024
Barium		1.0		**4820**	4000	56.98	119.1	4937	2.36	11/13/2024
Beryllium		1.0		**108**	100.0	0	107.8	110.9	2.76	11/08/2024
Boron		25.0		**1060**	1000	0	105.5	1102	4.34	11/08/2024
Cadmium		1.0		**110**	100.0	0	109.7	109.6	0.10	11/13/2024
Chromium		1.5		**418**	400.0	6.820	102.8	433.2	3.53	11/08/2024
Cobalt		1.0		**843**	1000	0.1707	84.3	867.4	2.82	11/08/2024
Copper		1.0		**507**	500.0	3.777	100.6	513.9	1.38	11/13/2024
Iron		25.0		**4140**	4000	80.40	101.5	4295	3.70	11/08/2024
Lead		1.0		**1050**	1000	0	104.8	1094	4.33	11/08/2024
Lithium	*	3.0		**1090**	1000	1.493	109.0	1146	4.81	11/08/2024
Manganese		2.0		**1110**	1000	12.58	110.1	1113	0.05	11/08/2024
Molybdenum		1.5	SE	**1320**	1000	0.8172	132.0	1303	1.37	11/13/2024
Nickel		1.0		**1010**	1000	5.518	100.4	1042	3.18	11/13/2024
Selenium		1.0		**1000**	1000	0	100.5	1023	1.82	11/13/2024
Silver		1.0		**85.6**	100.0	0	85.6	84.29	1.49	11/15/2024
Thallium		2.0		**513**	500.0	0	102.7	530.4	3.26	11/08/2024
Vanadium		5.0		**1120**	1000	0	112.5	1168	3.78	11/08/2024
Zinc		15.0		**947**	1000	0	94.7	995.9	5.04	11/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230586 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230586

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0	S	**40.8**	12.50	0	326.0	-100	100	11/13/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/11/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/08/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/12/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/08/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/12/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/08/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/08/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/08/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/12/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/08/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/08/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/08/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/08/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/08/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/08/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/08/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/08/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/08/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/08/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230586 **SampType:** LCS Units **µg/L**
SampID: LCS-230586

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0	B	**3770**	4000	0	94.1	80	120	11/13/2024
Antimony		2.0		**1040**	1000	0	104.3	80	120	11/15/2024
Arsenic		1.0		**1040**	1000	0	104.5	80	120	11/12/2024
Barium		2.0		**4620**	4000	0	115.4	80	120	11/15/2024
Beryllium		1.0		**108**	100.0	0	108.3	80	120	11/08/2024
Boron		25.0		**985**	1000	0	98.5	80	120	11/12/2024
Cadmium		1.0		**102**	100.0	0	101.6	80	120	11/12/2024
Chromium		1.5		**431**	400.0	0	107.7	80	120	11/08/2024
Cobalt		1.0		**877**	1000	0	87.7	80	120	11/08/2024
Copper		1.0		**529**	500.0	0	105.9	80	120	11/12/2024
Iron		25.0		**4250**	4000	0	106.1	80	120	11/08/2024
Lead		1.0		**1080**	1000	0	107.6	80	120	11/08/2024
Lithium	*	3.0		**1140**	1000	0	113.7	80	120	11/08/2024
Manganese		2.0		**1070**	1000	0	107.4	80	120	11/08/2024
Molybdenum		1.5		**1180**	1000	0	118.4	80	120	11/13/2024
Nickel		1.0		**1170**	1000	0	116.7	80	120	11/08/2024
Selenium		1.0		**1020**	1000	0	102.4	80	120	11/12/2024
Silver		1.0		**91.0**	100.0	0	91.0	80	120	11/12/2024
Thallium		2.0		**523**	500.0	0	104.5	80	120	11/08/2024
Vanadium		5.0		**1160**	1000	0	115.7	80	120	11/08/2024
Zinc		15.0		**1040**	1000	0	103.7	80	120	11/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230586 **SampType:** MS Units **µg/L**

SampID: 24101589-047CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		**1090**	1000	0.5823	109.0	75	125	11/12/2024
Barium		1.0		**4500**	4000	29.85	111.8	75	125	11/15/2024
Beryllium		1.0		**107**	100.0	0	107.5	75	125	11/08/2024
Cadmium		1.0		**108**	100.0	0	108.3	75	125	11/12/2024
Chromium		1.5		**406**	400.0	0.7224	101.3	75	125	11/08/2024
Cobalt		1.0		**836**	1000	0.2332	83.6	75	125	11/08/2024
Copper		1.0		**522**	500.0	1.690	104.1	75	125	11/12/2024
Iron		25.0		**4130**	4000	125.9	100.0	75	125	11/08/2024
Lead		1.0		**1040**	1000	0	104.3	75	125	11/08/2024
Lithium	*	3.0		**1110**	1000	7.586	110.1	75	125	11/08/2024
Manganese		2.0		**1170**	1000	99.94	107.1	75	125	11/08/2024
Molybdenum		1.5	SE	**1360**	1000	1.011	135.9	75	125	11/13/2024
Nickel		1.0		**1080**	1000	1.336	107.6	75	125	11/08/2024
Selenium		1.0		**1050**	1000	0	104.9	75	125	11/12/2024
Silver		1.0		**94.9**	100.0	0	94.9	75	125	11/12/2024
Thallium		2.0		**513**	500.0	0	102.6	75	125	11/08/2024
Vanadium		5.0		**1110**	1000	0	111.0	75	125	11/08/2024
Zinc		15.0		**1050**	1000	0	104.9	75	125	11/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch **230586** **SampType:** **MSD** Units **µg/L** RPD Limit **20**

SampID: 24101589-047CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		**1090**	1000	0.5823	108.5	1090	0.42	11/12/2024
Barium		1.0		**4420**	4000	29.85	109.8	4504	1.84	11/15/2024
Beryllium		1.0		**106**	100.0	0	106.3	107.5	1.13	11/08/2024
Cadmium		1.0		**105**	100.0	0	105.3	108.3	2.78	11/12/2024
Chromium		1.5		**415**	400.0	0.7224	103.6	405.8	2.24	11/08/2024
Cobalt		1.0		**862**	1000	0.2332	86.2	836.1	3.03	11/08/2024
Copper		1.0		**517**	500.0	1.690	103.0	522.2	1.06	11/12/2024
Iron		25.0		**4270**	4000	125.9	103.5	4127	3.34	11/08/2024
Lead		1.0		**1080**	1000	0	108.5	1043	3.90	11/08/2024
Lithium	*	3.0		**1110**	1000	7.586	110.4	1108	0.25	11/08/2024
Manganese		2.0		**1200**	1000	99.94	110.4	1171	2.75	11/08/2024
Molybdenum		1.5	SE	**1330**	1000	1.011	132.5	1360	2.52	11/13/2024
Nickel		1.0		**1170**	1000	1.336	116.4	1077	7.87	11/08/2024
Selenium		1.0		**1040**	1000	0	103.8	1049	1.00	11/12/2024
Silver		1.0		**93.6**	100.0	0	93.6	94.91	1.39	11/12/2024
Thallium		2.0		**528**	500.0	0	105.5	512.9	2.84	11/08/2024
Vanadium		5.0		**1140**	1000	0	114.5	1110	3.05	11/08/2024
Zinc		15.0		**1030**	1000	0	103.3	1049	1.53	11/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230588 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230588

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	11/08/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/11/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/08/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/08/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/08/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/08/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/08/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/08/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/08/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/05/2024
Copper		1.0	S	**2.1**	0.2980	0	703.6	-100	100	11/04/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/08/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/08/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/04/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/08/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/08/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/08/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/08/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/04/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/08/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/08/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/08/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230588 **SampType:** LCS Units **µg/L**

SampID: LCS-230588

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3990**	4000	0	99.8	80	120	11/08/2024
Antimony		2.0		**1000**	1000	0	100.1	80	120	11/15/2024
Arsenic		1.0		**1020**	1000	0	101.5	80	120	11/08/2024
Barium		2.0		**4420**	4000	0	110.4	80	120	11/15/2024
Beryllium		1.0		**104**	100.0	0	103.5	80	120	11/08/2024
Boron		25.0		**1040**	1000	0	103.7	80	120	11/08/2024
Cadmium		1.0		**102**	100.0	0	101.9	80	120	11/12/2024
Cadmium		1.0	S	**202**	100.0	0	202.5	80	120	11/08/2024
Chromium		1.5		**415**	400.0	0	103.8	80	120	11/08/2024
Cobalt		1.0		**865**	1000	0	86.5	80	120	11/08/2024
Copper		1.0	B	**512**	500.0	0	102.5	80	120	11/05/2024
Iron		25.0		**4140**	4000	0	103.4	80	120	11/08/2024
Lead		1.0		**1050**	1000	0	105.1	80	120	11/08/2024
Lead		1.0		**994**	1000	0	99.4	80	120	11/05/2024
Lithium	*	3.0		**1070**	1000	0	107.2	80	120	11/08/2024
Manganese		2.0		**1040**	1000	0	104.0	80	120	11/08/2024
Molybdenum		3.0		**910**	1000	0	91.0	80	120	11/15/2024
Molybdenum		1.5	SE	**1370**	1000	0	137.4	80	120	11/08/2024
Nickel		1.0		**1130**	1000	0	113.3	80	120	11/08/2024
Selenium		1.0		**1140**	1000	0	114.4	80	120	11/05/2024
Silver		1.0	S	**129**	100.0	0	128.9	80	120	11/08/2024
Silver		1.0		**92.3**	100.0	0	92.3	80	120	11/12/2024
Thallium		2.0		**512**	500.0	0	102.4	80	120	11/08/2024
Vanadium		5.0		**1110**	1000	0	111.5	80	120	11/08/2024
Zinc		15.0		**973**	1000	0	97.3	80	120	11/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230588 **SampType:** MS Units **µg/L**

SampID: 24101589-097CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**4140**	4000	0	103.4	75	125	11/08/2024
Antimony		1.0		**1150**	1000	0	114.6	75	125	11/15/2024
Arsenic		1.0		**1060**	1000	0	105.6	75	125	11/08/2024
Barium		1.0		**4390**	4000	73.35	107.8	75	125	11/15/2024
Beryllium		1.0		**110**	100.0	0	109.9	75	125	11/08/2024
Boron		25.0		**1100**	1000	0	109.8	75	125	11/08/2024
Cadmium		1.0	S	**141**	100.0	0	141.2	75	125	11/08/2024
Chromium		1.5		**429**	400.0	0	107.2	75	125	11/08/2024
Cobalt		1.0		**868**	1000	0	86.8	75	125	11/08/2024
Copper		1.0		**515**	500.0	1.224	102.8	75	125	11/08/2024
Iron		25.0		**4210**	4000	37.24	104.3	75	125	11/08/2024
Lead		1.0		**1100**	1000	0	110.0	75	125	11/08/2024
Lithium	*	3.0		**1130**	1000	6.185	112.8	75	125	11/08/2024
Manganese		2.0		**1290**	1000	163.1	113.0	75	125	11/08/2024
Molybdenum		1.5	SE	**1460**	1000	0	145.6	75	125	11/08/2024
Nickel		1.0		**1110**	1000	0.5775	110.6	75	125	11/08/2024
Selenium		1.0		**1010**	1000	2.099	101.1	75	125	11/08/2024
Silver		1.0	S	**130**	100.0	0	129.6	75	125	11/08/2024
Thallium		2.0		**538**	500.0	0	107.5	75	125	11/08/2024
Vanadium		5.0		**1160**	1000	0	116.2	75	125	11/08/2024
Zinc		15.0		**981**	1000	0	98.1	75	125	11/08/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch **230588** **SampType:** **MSD** Units **µg/L** RPD Limit **20**

SampID: 24101589-097CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**4070**	4000	0	101.9	4137	1.53	11/08/2024
Antimony		1.0		**1180**	1000	0	117.6	1146	2.60	11/15/2024
Arsenic		1.0		**1070**	1000	0	106.8	1056	1.13	11/08/2024
Barium		1.0		**4450**	4000	73.35	109.3	4386	1.39	11/15/2024
Beryllium		1.0		**107**	100.0	0	107.0	109.9	2.63	11/08/2024
Boron		25.0		**1080**	1000	0	107.7	1098	1.90	11/08/2024
Cadmium		1.0	S	**146**	100.0	0	145.6	141.2	3.09	11/08/2024
Chromium		1.5		**424**	400.0	0	106.1	428.7	1.00	11/08/2024
Cobalt		1.0		**867**	1000	0	86.7	867.7	0.09	11/08/2024
Copper		1.0		**515**	500.0	1.224	102.8	515.4	0.08	11/08/2024
Iron		25.0		**4200**	4000	37.24	104.0	4210	0.28	11/08/2024
Lead		1.0		**1090**	1000	0	108.8	1100	1.07	11/08/2024
Lithium	*	3.0		**1110**	1000	6.185	110.1	1134	2.39	11/08/2024
Manganese		2.0		**1270**	1000	163.1	110.9	1293	1.63	11/08/2024
Molybdenum		1.5	SE	**1490**	1000	0	148.6	1456	2.02	11/08/2024
Nickel		1.0		**1180**	1000	0.5775	118.3	1106	6.71	11/08/2024
Selenium		1.0		**1030**	1000	2.099	102.9	1013	1.75	11/08/2024
Silver		1.0	S	**133**	100.0	0	133.3	129.6	2.82	11/08/2024
Thallium		2.0		**532**	500.0	0	106.3	537.7	1.16	11/08/2024
Vanadium		5.0		**1160**	1000	0	116.1	1162	0.13	11/08/2024
Zinc		15.0		**975**	1000	0	97.5	981.4	0.68	11/08/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230732 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230732

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	11/12/2024
Aluminum		25.0		**< 25.0**	12.50	0	0	-100	100	11/07/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/12/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/11/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/07/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/12/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/07/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/12/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/07/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/12/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/14/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/12/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/07/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/12/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/12/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/07/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/12/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/07/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/12/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/07/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/07/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/07/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/09/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/12/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/07/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/14/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/12/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/07/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/12/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/07/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/07/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/09/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/07/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/12/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/07/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230732 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230732

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/12/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230732 **SampType:** LCS Units **µg/L**

SampID: LCS-230732

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3750**	4000	0	93.9	80	120	11/12/2024
Antimony		1.0		**992**	1000	0	99.2	80	120	11/12/2024
Arsenic		1.0		**1040**	1000	0	104.4	80	120	11/07/2024
Arsenic		1.0		**943**	1000	0	94.3	80	120	11/12/2024
Barium		1.0		**4390**	4000	0	109.7	80	120	11/12/2024
Barium		2.0		**4700**	4000	0	117.4	80	120	11/14/2024
Beryllium		1.0		**96.0**	100.0	0	96.0	80	120	11/12/2024
Beryllium		1.0		**103**	100.0	0	102.6	80	120	11/07/2024
Boron		25.0		**1040**	1000	0	103.6	80	120	11/14/2024
Boron		25.0		**906**	1000	0	90.6	80	120	11/12/2024
Cadmium		1.0		**95.3**	100.0	0	95.3	80	120	11/12/2024
Cadmium		1.0		**108**	100.0	0	108.4	80	120	11/07/2024
Chromium		1.5		**422**	400.0	0	105.6	80	120	11/07/2024
Chromium		1.5		**388**	400.0	0	97.1	80	120	11/12/2024
Cobalt		1.0		**816**	1000	0	81.6	80	120	11/12/2024
Cobalt		1.0		**1010**	1000	0	101.1	80	120	11/07/2024
Copper		1.0		**481**	500.0	0	96.2	80	120	11/12/2024
Copper		1.0		**508**	500.0	0	101.6	80	120	11/07/2024
Iron		25.0		**3890**	4000	0	97.3	80	120	11/07/2024
Lead		1.0		**1070**	1000	0	107.0	80	120	11/07/2024
Lead		1.0		**1030**	1000	0	102.8	80	120	11/09/2024
Lithium	*	3.0		**974**	1000	0	97.4	80	120	11/12/2024
Lithium	*	3.0		**986**	1000	0	98.6	80	120	11/20/2024
Manganese		2.0		**1010**	1000	0	100.8	80	120	11/07/2024
Molybdenum		1.5		**1190**	1000	0	118.6	80	120	11/14/2024
Nickel		1.0		**1020**	1000	0	102.1	80	120	11/07/2024
Nickel		1.0		**956**	1000	0	95.6	80	120	11/12/2024
Selenium		1.0		**934**	1000	0	93.4	80	120	11/12/2024
Selenium		1.0		**1010**	1000	0	100.8	80	120	11/07/2024
Silver		1.0		**107**	100.0	0	107.1	80	120	11/07/2024
Thallium		2.0		**493**	500.0	0	98.5	80	120	11/09/2024
Thallium		2.0		**518**	500.0	0	103.6	80	120	11/07/2024
Vanadium		5.0		**1030**	1000	0	102.6	80	120	11/12/2024
Vanadium		5.0		**999**	1000	0	99.9	80	120	11/07/2024
Zinc		15.0		**946**	1000	0	94.6	80	120	11/12/2024
Zinc		15.0		**961**	1000	0	96.1	80	120	11/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230732 **SampType:** LCS Units **µg/L**

SampID: LCS-230732

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed

Batch 230734 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230734

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	11/11/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/06/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/06/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/06/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/08/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/06/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/06/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/06/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/06/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/06/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/08/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/06/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230734 **SampType:** LCS Units **µg/L**

SampID: LCS-230734

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**1120**	1000	0	112.3	80	120	11/11/2024
Antimony		1.0	SE	**1440**	1000	0	144.0	80	120	11/15/2024
Arsenic		1.0		**1090**	1000	0	109.4	80	120	11/07/2024
Barium		1.0		**4750**	4000	0	118.7	80	120	11/13/2024
Beryllium		1.0		**106**	100.0	0	105.7	80	120	11/07/2024
Boron		25.0		**1040**	1000	0	104.0	80	120	11/08/2024
Cadmium		1.0	S	**148**	100.0	0	147.9	80	120	11/08/2024
Cadmium		1.0		**81.5**	100.0	0	81.5	80	120	11/12/2024
Chromium		1.5		**427**	400.0	0	106.8	80	120	11/07/2024
Cobalt		1.0		**1060**	1000	0	106.0	80	120	11/07/2024
Lead		1.0		**1040**	1000	0	103.6	80	120	11/07/2024
Lithium	*	3.0		**1070**	1000	0	106.6	80	120	11/08/2024
Molybdenum		1.5		**1170**	1000	0	117.0	80	120	11/13/2024
Molybdenum		1.5	SE	**1500**	1000	0	149.6	80	120	11/08/2024
Nickel		1.0		**856**	1000	0	85.6	80	120	11/12/2024
Selenium		1.0		**1060**	1000	0	105.7	80	120	11/07/2024
Thallium		2.0		**510**	500.0	0	102.0	80	120	11/07/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230877 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230877

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	11/14/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/16/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/14/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/14/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/14/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/14/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/14/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/14/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/14/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/14/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/14/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/16/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/14/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/14/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/14/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/14/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/19/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/14/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/14/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230877 **SampType:** LCS Units **µg/L**

SampID: LCS-230877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**4440**	4000	0	111.0	80	120	11/14/2024
Antimony		2.0		**1100**	1000	0	109.6	80	120	11/16/2024
Arsenic		1.0		**1080**	1000	0	108.0	80	120	11/14/2024
Barium		2.0		**4420**	4000	0	110.4	80	120	11/19/2024
Beryllium		1.0		**114**	100.0	0	114.0	80	120	11/14/2024
Boron		25.0		**1100**	1000	0	109.8	80	120	11/14/2024
Cadmium		1.0		**107**	100.0	0	107.3	80	120	11/14/2024
Chromium		1.5		**458**	400.0	0	114.5	80	120	11/14/2024
Cobalt		1.0		**863**	1000	0	86.3	80	120	11/14/2024
Copper		1.0		**544**	500.0	0	108.7	80	120	11/14/2024
Iron		25.0		**4360**	4000	0	109.1	80	120	11/14/2024
Lead		2.0		**1090**	1000	0	108.8	80	120	11/16/2024
Lithium	*	3.0		**1170**	1000	0	116.5	80	120	11/14/2024
Molybdenum		3.0		**1070**	1000	0	106.7	80	120	11/19/2024
Molybdenum		1.5	SE	**1250**	1000	0	125.0	80	120	11/14/2024
Nickel		1.0		**1090**	1000	0	109.1	80	120	11/14/2024
Selenium		1.0		**1050**	1000	0	105.5	80	120	11/14/2024
Silver		2.0		**112**	100.0	0	111.8	80	120	11/19/2024
Thallium		2.0		**536**	500.0	0	107.3	80	120	11/14/2024
Vanadium		5.0		**1130**	1000	0	113.3	80	120	11/14/2024
Zinc		30.0		**1110**	1000	0	111.0	80	120	11/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230949 **SampType:** MBLK Units **µg/L**

SampID: MBLK-230949

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	11/14/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/16/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	11/14/2024
Barium		1.0		**< 1.0**	0.7000	0	0	-100	100	11/14/2024
Beryllium		1.0		**< 1.0**	0.2500	0	0	-100	100	11/14/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	11/14/2024
Cadmium		1.0		**< 1.0**	0.1340	0	0	-100	100	11/14/2024
Chromium		1.5		**< 1.5**	0.7000	0	0	-100	100	11/14/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	11/14/2024
Copper		1.0		**< 1.0**	0.2980	0	0	-100	100	11/14/2024
Iron		25.0		**< 25.0**	11.50	0	0	-100	100	11/14/2024
Lead		1.0		**< 1.0**	0.6000	0	0	-100	100	11/16/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	11/14/2024
Manganese		2.0		**< 2.0**	0.7500	0	0	-100	100	11/14/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	11/14/2024
Nickel		1.0		**< 1.0**	0.4300	0	0	-100	100	11/14/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	11/14/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	11/19/2024
Thallium		2.0		**< 2.0**	0.9500	0	0	-100	100	11/14/2024
Tin	*	5.0		**< 5.0**	0.5000	0	0	-100	100	11/14/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	11/14/2024
Zinc		15.0		**< 15.0**	5.900	0	0	-100	100	11/19/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230949 **SampType:** LCS Units **µg/L**

SampID: LCS-230949

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**4230**	4000	0	105.8	80	120	11/14/2024
Antimony		2.0		**1080**	1000	0	107.5	80	120	11/16/2024
Arsenic		1.0		**1070**	1000	0	107.1	80	120	11/14/2024
Barium		2.0		**4600**	4000	0	115.1	80	120	11/19/2024
Beryllium		1.0		**107**	100.0	0	106.6	80	120	11/14/2024
Boron		25.0		**1030**	1000	0	102.9	80	120	11/14/2024
Cadmium		1.0		**107**	100.0	0	106.6	80	120	11/14/2024
Chromium		1.5		**447**	400.0	0	111.7	80	120	11/14/2024
Cobalt		1.0		**856**	1000	0	85.6	80	120	11/14/2024
Copper		1.0		**538**	500.0	0	107.6	80	120	11/14/2024
Iron		25.0		**4290**	4000	0	107.3	80	120	11/14/2024
Lead		2.0		**1070**	1000	0	107.2	80	120	11/16/2024
Lithium	*	3.0		**1070**	1000	0	107.4	80	120	11/14/2024
Manganese		2.0		**1070**	1000	0	106.7	80	120	11/14/2024
Molybdenum		1.5	SE	**1250**	1000	0	125.2	80	120	11/14/2024
Molybdenum		3.0		**1060**	1000	0	106.4	80	120	11/16/2024
Nickel		1.0		**1070**	1000	0	107.5	80	120	11/14/2024
Selenium		1.0		**1040**	1000	0	104.4	80	120	11/14/2024
Silver		2.0		**115**	100.0	0	115.1	80	120	11/19/2024
Thallium		2.0		**508**	500.0	0	101.5	80	120	11/14/2024
Tin	*	10.0		**1020**	1000	0	102.1	80	120	11/16/2024
Vanadium		5.0		**1090**	1000	0	108.9	80	120	11/14/2024
Zinc		30.0		**1090**	1000	0	108.8	80	120	11/19/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 230949 **SampType:** MS Units µg/L

SampID: 24101589-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		**1210**	1000	1.582	121.0	75	125	11/16/2024
Arsenic		1.0		**997**	1000	0	99.7	75	125	11/14/2024
Barium		1.0		**4860**	4000	78.67	119.5	75	125	11/19/2024
Beryllium		1.0		**105**	100.0	0	104.8	75	125	11/14/2024
Boron		25.0		**2050**	1000	1024	102.5	75	125	11/14/2024
Cadmium		1.0		**97.6**	100.0	0	97.6	75	125	11/14/2024
Chromium		1.5		**415**	400.0	0	103.8	75	125	11/14/2024
Cobalt		1.0		**798**	1000	0.1965	79.8	75	125	11/14/2024
Lead		1.0		**1070**	1000	0	107.5	75	125	11/16/2024
Lithium	*	3.0		**1070**	1000	9.200	105.8	75	125	11/14/2024
Molybdenum		1.5		**1170**	1000	5.849	116.2	75	125	11/19/2024
Selenium		1.0		**966**	1000	0	96.6	75	125	11/14/2024
Thallium		2.0		**491**	500.0	0	98.2	75	125	11/14/2024

Batch 230949 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 24101589-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		**1210**	1000	1.582	120.5	1212	0.46	11/16/2024
Arsenic		1.0		**1010**	1000	0	100.7	996.7	1.02	11/14/2024
Barium		1.0		**4780**	4000	78.67	117.6	4858	1.59	11/19/2024
Beryllium		1.0		**107**	100.0	0	107.2	104.8	2.18	11/14/2024
Boron		25.0		**2000**	1000	1024	98.0	2049	2.19	11/14/2024
Cadmium		1.0		**98.9**	100.0	0	98.9	97.62	1.30	11/14/2024
Chromium		1.5		**421**	400.0	0	105.2	415.2	1.31	11/14/2024
Cobalt		1.0		**811**	1000	0.1965	81.1	798.5	1.61	11/14/2024
Lead		1.0		**1070**	1000	0	106.8	1075	0.66	11/16/2024
Lithium	*	3.0		**1060**	1000	9.200	104.8	1067	0.92	11/14/2024
Molybdenum		1.5		**1140**	1000	5.849	113.3	1168	2.57	11/19/2024
Selenium		1.0		**965**	1000	0	96.5	965.9	0.08	11/14/2024
Thallium		2.0		**490**	500.0	0	97.9	491.0	0.26	11/14/2024

Batch 231194 **SampType:** MBLK Units µg/L

SampID: MBLK-231194

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	11/20/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	11/16/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 231194 **SampType:** LCS Units µg/L
SampID: LCS-231194

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		50.0		**4070**	4000	0	101.7	80	120	11/20/2024
Antimony		2.0		**1060**	1000	0	105.7	80	120	11/16/2024

Batch 231194 **SampType:** MS Units µg/L
SampID: 24101589-047CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**4220**	4000	79.13	103.4	75	125	11/20/2024
Antimony		1.0		**1240**	1000	0	123.7	75	125	11/20/2024

Batch 231194 **SampType:** MSD Units µg/L RPD Limit **20**
SampID: 24101589-047CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		**4240**	4000	79.13	104.0	4216	0.53	11/20/2024
Antimony		1.0	SE	**1290**	1000	0	129.0	1237	4.21	11/20/2024

Batch 232040 **SampType:** MBLK Units µg/L
SampID: MBLK-232040

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	12/10/2024
Antimony		1.0		**< 1.0**	0.4500	0	0	-100	100	12/10/2024
Arsenic		1.0		**< 1.0**	0.3750	0	0	-100	100	12/11/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	12/10/2024
Boron		25.0		**< 25.0**	9.250	0	0	-100	100	12/11/2024
Cobalt		1.0		**< 1.0**	0.1150	0	0	-100	100	12/10/2024
Lead		1.0	S	**443**	0.6000	0	73810	-100	100	12/11/2024
Lead		1.0	S	**408**	0.6000	0	68040	-100	100	12/10/2024
Lithium	*	3.0		**< 3.0**	1.450	0	0	-100	100	12/10/2024
Molybdenum		1.5		**< 1.5**	0.6000	0	0	-100	100	12/10/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	12/11/2024
Selenium		1.0		**< 1.0**	0.6000	0	0	-100	100	12/10/2024
Silver		1.0		**< 1.0**	0.1110	0	0	-100	100	12/11/2024
Vanadium		5.0		**< 5.0**	5.000	0	0	-100	100	12/10/2024

Teklab, Inc. Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 232040 **SampType:** LCS Units µg/L

SampID: LCS-232040

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		**3800**	4000	0	95.1	80	120	12/10/2024
Antimony		1.0		**1030**	1000	0	103.2	80	120	12/10/2024
Arsenic		1.0		**1070**	1000	0	107.3	80	120	12/11/2024
Barium		2.0	B	**3800**	4000	0	94.9	80	120	12/13/2024
Boron		25.0		**973**	1000	0	97.3	80	120	12/10/2024
Boron		25.0		**1010**	1000	0	100.5	80	120	12/11/2024
Cobalt		1.0		**994**	1000	0	99.4	80	120	12/10/2024
Lead		1.0	B	**1000**	1000	0	100.5	80	120	12/10/2024
Lead		1.0	B	**1120**	1000	0	111.7	80	120	12/11/2024
Lithium	*	3.0		**927**	1000	0	92.7	80	120	12/10/2024
Molybdenum		1.5		**997**	1000	0	99.7	80	120	12/10/2024
Selenium		1.0		**1010**	1000	0	100.6	80	120	12/10/2024
Selenium		1.0		**1070**	1000	0	107.3	80	120	12/11/2024
Silver		1.0		**109**	100.0	0	109.3	80	120	12/11/2024
Vanadium		5.0		**978**	1000	0	97.8	80	120	12/10/2024

Batch 232040 **SampType:** MS Units µg/L

SampID: 24101589-027CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		1.0		**1070**	1000	0	106.6	75	125	12/11/2024

Batch 232040 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 24101589-027CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium		1.0		**1090**	1000	0	108.6	1066	1.81	12/11/2024

Batch 232040 **SampType:** MS Units µg/L

SampID: 24101589-047CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		**983**	1000	34.53	94.8	75	125	12/11/2024

Batch 232040 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 24101589-047CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0		**1060**	1000	34.53	102.2	982.9	7.24	12/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 7470A (DISSOLVED)

Batch 230733 **SampType:** MS Units µg/L
SampID: 24101589-018CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.92**	5.000	0	98.5	75	125	11/06/2024

Batch 230733 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24101589-018CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.95**	5.000	0	99.0	4.924	0.52	11/06/2024

Batch 230876 **SampType:** MS Units µg/L
SampID: 24110556-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.67**	5.000	0	93.4	75	125	11/11/2024

Batch 230876 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24110556-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.62**	5.000	0	92.4	4.668	1.00	11/11/2024

Batch 230944 **SampType:** MS Units µg/L
SampID: 24102205-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**8.21**	10.00	0	82.1	75	125	11/12/2024

Batch 230944 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24102205-005CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**7.85**	10.00	0	78.5	8.208	4.43	11/12/2024

SW-846 7470A (TOTAL)

Batch 230159 **SampType:** MBLK Units µg/L
SampID: MBLK-230159

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	11/11/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230159 **SampType:** LCS Units µg/L
SampID: LCS-230159

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.47**	5.000	0	89.4	85	115	11/11/2024

Batch 230159 **SampType:** MS Units µg/L
SampID: 24101589-063BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.34**	5.000	0	86.8	75	125	11/11/2024

Batch 230159 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24101589-063BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.13**	5.000	0	82.6	4.338	4.85	11/11/2024

Batch 230470 **SampType:** MBLK Units µg/L
SampID: MBLK-230470

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	10/31/2024

Batch 230470 **SampType:** LCS Units µg/L
SampID: LCS-230470

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.45**	5.000	0	89.0	85	115	10/31/2024

Batch 230470 **SampType:** MS Units µg/L
SampID: 24101589-027CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.67**	5.000	0	93.4	75	125	10/31/2024

Batch 230470 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24101589-027CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.56**	5.000	0	91.1	4.669	2.44	10/31/2024

Batch 230504 **SampType:** MBLK Units µg/L
SampID: MBLK-230504

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	11/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230504 **SampType:** LCS Units µg/L
SampID: LCS-230504

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.82**	5.000	0	96.4	85	115	11/01/2024

Batch 230504 **SampType:** MS Units µg/L
SampID: 24101589-044CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.73**	5.000	0	94.6	75	125	11/01/2024

Batch 230504 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24101589-044CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.68**	5.000	0	93.6	4.729	1.03	11/01/2024

Batch 230504 **SampType:** MS Units µg/L
SampID: 24101589-059BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.78**	5.000	0	95.7	75	125	11/01/2024

Batch 230504 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24101589-059BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.75**	5.000	0	95.1	4.785	0.65	11/01/2024

Batch 230505 **SampType:** MBLK Units µg/L
SampID: MBLK-230505

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	11/01/2024

Batch 230505 **SampType:** LCS Units µg/L
SampID: LCS-230505

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.82**	5.000	0	96.4	85	115	11/01/2024

Batch 230505 **SampType:** MS Units µg/L
SampID: 24101589-043BMS

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	11/01/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230505 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24101589-043BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.98**	5.000	0	99.6	4.880	2.00	11/01/2024

Batch 230505 **SampType:** MS Units µg/L
SampID: 24101589-048CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.66**	5.000	0	93.1	75	125	11/01/2024

Batch 230505 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24101589-048CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.60**	5.000	0	91.9	4.655	1.26	11/01/2024

Batch 230598 **SampType:** MBLK Units µg/L
SampID: MBLK-230598

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	11/04/2024

Batch 230598 **SampType:** LCS Units µg/L
SampID: LCS-230598

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.67**	5.000	0	93.4	85	115	11/04/2024

Batch 230598 **SampType:** MS Units µg/L
SampID: 24101589-055CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.75**	5.000	0	94.9	75	125	11/04/2024

Batch 230598 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24101589-055CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.73**	5.000	0	94.5	4.746	0.43	11/04/2024

Batch 230598 **SampType:** MS Units µg/L
SampID: 24101589-097CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.69**	5.000	0	93.8	75	125	11/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230598 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24101589-097CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.65**	5.000	0	93.0	4.688	0.80	11/04/2024

Batch 230599 **SampType:** MBLK Units µg/L
SampID: MBLK-230599

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	11/04/2024

Batch 230599 **SampType:** LCS Units µg/L
SampID: LCS-230599

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.50**	5.000	0	89.9	85	115	11/04/2024

Batch 230599 **SampType:** MS Units µg/L
SampID: 24101589-028CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.51**	5.000	0	90.1	75	125	11/04/2024

Batch 230599 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24101589-028CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.36**	5.000	0	87.2	4.506	3.34	11/04/2024

Batch 230599 **SampType:** MS Units µg/L
SampID: 24101589-029BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.48**	5.000	0	89.6	75	125	11/04/2024

Batch 230599 **SampType:** MSD Units µg/L RPD Limit 15
SampID: 24101589-029BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.33**	5.000	0	86.7	4.478	3.28	11/04/2024

Batch 230607 **SampType:** MBLK Units µg/L
SampID: MBLK-230607

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	11/04/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230607 **SampType:** LCS Units µg/L
SampID: LCS-230607

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.70**	5.000	0	94.0	85	115	11/04/2024

Batch 230607 **SampType:** MS Units µg/L
SampID: 24101589-039CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20	S	**3.45**	5.000	0	69.0	75	125	11/04/2024

Batch 230607 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24101589-039CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20	S	**3.54**	5.000	0	70.8	3.448	2.67	11/04/2024

Batch 230607 **SampType:** MS Units µg/L
SampID: 24101589-040CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.15**	5.000	0	83.0	75	125	11/04/2024

Batch 230607 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24101589-040CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.20**	5.000	0	84.1	4.149	1.31	11/04/2024

Batch 230725 **SampType:** MBLK Units µg/L
SampID: MBLK-230725

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	11/06/2024

Batch 230725 **SampType:** LCS Units µg/L
SampID: LCS-230725

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.85**	5.000	0	96.9	85	115	11/06/2024

Batch 230733 **SampType:** MBLK Units µg/L
SampID: MBLK-230733

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	11/06/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230733 **SampType:** LCS Units µg/L
SampID: LCS-230733

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.99**	5.000	0	99.8	85	115	11/06/2024

Batch 230733 **SampType:** MS Units µg/L
SampID: 24101589-081CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.86**	5.000	0	97.2	75	125	11/06/2024

Batch 230733 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24101589-081CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.78**	5.000	0	95.7	4.861	1.58	11/06/2024

Batch 230876 **SampType:** MBLK Units µg/L
SampID: MBLK-230876

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	11/11/2024

Batch 230876 **SampType:** LCS Units µg/L
SampID: LCS-230876

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.44**	5.000	0	88.8	85	115	11/11/2024

Batch 230876 **SampType:** MS Units µg/L
SampID: 24101589-088CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.69**	5.000	0	93.7	75	125	11/11/2024

Batch 230876 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24101589-088CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.75**	5.000	0	95.0	4.687	1.38	11/11/2024

Batch 230944 **SampType:** MBLK Units µg/L
SampID: MBLK-230944

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	11/12/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101589

Client Project: COF-24Q4 **Report Date:** 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230944 **SampType:** LCS Units µg/L
SampID: LCS-230944

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.63**	5.000	0	92.7	85	115	11/12/2024

Batch 230944 **SampType:** MS Units µg/L
SampID: 24101589-085BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20	S	**0.76**	5.000	0	15.2	75	125	11/12/2024

Batch 230944 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24101589-085BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20	S	**0.86**	5.000	0	17.1	0.7606	11.74	11/12/2024

Batch 230946 **SampType:** MBLK Units µg/L
SampID: MBLK-230946

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	11/12/2024

Batch 230946 **SampType:** LCS Units µg/L
SampID: LCS-230946

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.69**	5.000	0	93.7	85	115	11/12/2024

Batch 230946 **SampType:** MS Units µg/L
SampID: 24101589-099BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**4.57**	5.000	0	91.4	75	125	11/12/2024

Batch 230946 **SampType:** MSD Units µg/L RPD Limit **15**
SampID: 24101589-099BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**4.49**	5.000	0	89.7	4.571	1.87	11/12/2024

Batch 230946 **SampType:** MS Units µg/L
SampID: 24110710-001GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		**9.54**	10.00	0.1303	94.1	75	125	11/13/2024

Teklab, Inc.
Environmental Laboratory

Quality Control Results

Client: Ramboll
Work Order: 24101589
Client Project: COF-24Q4
Report Date: 19-Dec-24

SW-846 7470A (TOTAL)

Batch **230946** **SampType:** **MSD** Units **µg/L** RPD Limit **15**
SampID: 24110710-001GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		**9.50**	10.00	0.1303	93.7	9.539	0.42	11/13/2024

Teklab, Inc. Environmental Laboratory

Receiving Check List

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Carrier: Justin Colp
Received By: AMD

Completed by: Amber Dilallo
On: 29-Oct-24

Reviewed by: Ellie Hopkins
On: 12-Nov-24

Pages to follow: Chain of custody 38 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 14.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☑	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

Samples were received on 10/29/24 at 1600 on ice [14.9C - LTG#5]. Cooler #1 14.9c. Cooler #2 12.1. Additional Nitric Acid (99964) was needed upon arrival at the laboratory. pH strip #96651. - amberdilallo - 10/29/2024 4:36:28 PM

Samples were received on 10/30/24 at 16.20 on ice [Cooler 1 = 8.1C, Cooler 2 = 9.1C, Cooler 3 = 14.1C, Cooler 4 = 16.7C - LTG10]. Additional nitric acid (99964) was needed in G275 and G275D upon arrival at the laboratory. Additional sodium hydroxide (99725) was needed in G153 upon arrival at the laboratory. pH strip# 96651/98858. G220 was collected on 10/30/24 not 10/24/24 per Justin Colp. - NR/lhenson - 10/30/2024 5:20:13 PM

Samples were received on 10/31/24 at 16.00 on ice [12.5C - LTG#9]. Ph strip #96651/98858. G220 received on 10/31/24. Date/time is for G213 per Brett Gillihan. AD 11/1/24 - lhenson - 11/1/2024 8:35:30 AM

Samples were received on 11/4/24 at 1550 on ice [3.3C - LTG#]. Additional Sodium Hydroxide (99725) was needed upon arrival at the laboratory for G276 and G407. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for G314D and G316. pH strip #96651/98858. Cooler #1 3.3C. Cooler #2 3.5C. Cooler #4 3.5C. Cooler #4 2.1C. - JD/amberdilallo - 11/5/2024 9:07:39 AM

Samples were received on 11/06 at 15.45 on ice temp Cooler #1 4.1C, Cooler #2 3.7C, Cooler #3 5.7C - LTG9]. Ph strip #96651/98858. Additional nitric acid (99964) was needed upon arrival at the laboratory for G312, G314, G401. Additional sodium hydroxide (99725) was needed upon arrival at the laboratory for G401. - JD/lhenson - 11/7/2024 10:22:37 AM

Samples were received on 11/7/24 at 1533 on ice [5.5C - LTG#5]. pH strip #96651/98858. X201 was filtered and preserved with Nitric Acid (99964) for the dissolved parameters upon arrival at the laboratory. Field Blank was filtered unpreserved and preserved with Nitric Acid (99964) and Sulfuric Acid (100658) for the dissolved parameters upon arrival at the laboratory. Field Blank Fecal Coliform ran out of hold time due to lab error. - amberdilallo - 11/8/2024 9:15:43 AM

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	AP2D	WT	G				3	1		2								X					X				X					24101589-001
2	G1001	WT	G				2	1		1								X					X									24101589-002
3	G1003	WT	G				2	1		1								X					X				X					24101589-003
4	G101	WT	G				5	2	1	1		1										X										24101589-004
5	G102	WT	G				7	2	2	2		1										X							X			24101589-005
6	G103	WT	G				7	2	2	2		1										X							X			24101589-006
7	G105	WT	G				7	2	2	2		1										X							X			24101589-007
8	G106	WT	G				7	2	2	2		1										X							X			24101589-008
9	G107	WT	G				5	2	1	1		1										X										24101589-009
10	G108	WT	G	10-29-24	0944		5	2	1	1		1										X										24101589-010
11	G109	WT	G		1005		5	2	1	1		1										X										24101589-011
12	G110	WT	G		1033		5	2	1	1		1										X										24101589-012
13	G111	WT	G		1056		5	2	1	1		1										X										24101589-013
14	G119	WT	G		1247		5	2	1	1		1										X										24101589-014
15	G120	WT	G		1308		5	2	1	1		1										X										24101589-015
16	G121	WT	G		1330		5	2	1	1		1										X										24101589-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0	J. Cob	10-29	1600	Unknown Affiliation	10/29/24	1600	14.9	Y	N	
							#5			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cobb

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-29-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Added HNO3 (99%ul) TO G285 & G200 Dup.
pH ✓ 9ul of 98%
Cooler #1 14.9C. Cooler #2 12.1 Um 10/29/24

24101589

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G122	WT	G	10-29-24	1413		5	2	1	1		1									X											24101589-017
2	G123	WT	G				5	2	1	1		1									X											24101589-018
3	G124	WT	G				5	2	1	1		1									X											24101589-019
4	G125	WT	G				5	2	1	1		1									X											24101589-020
5	G126	WT	G	10-29-24	1112		5	2	1	1		1									X											24101589-021
6	G151	WT	G				4	2		1		1																		X		24101589-022
7	G152	WT	G				4	2		1		1																		X		24101589-023
8	G153	WT	G				4	2		1		1																		X		24101589-024
9	G154	WT	G				5	2		2		1																X		X		24101589-025
10	G155	WT	G				4	2		1		1																		X		24101589-026
11	G200	WT	G	10-29-24	1233		6	2	1	2		1							X					X		X			X			24101589-027
12	G206	WT	G				6	2	1	2		1							X					X					X			24101589-028
13	G206D	WT	G				2	1		1									X					X								24101589-029
14	G207	WT	G				6	2	1	2		1																	X				24101589-030
15	G208	WT	G				6	2	1	2		1																	X				24101589-031
16	G209	WT	G				6	2	1	2		1							X					X					X				24101589-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0	J-Colp	10-29	1600	Jordan Quaalen	10/29/24	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			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10-29-24				

24101589 105854102

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G210	WT	G				6	2	1	2		1																	X			24101589-033
2	G211	WT	G				6	2	1	2		1																	X			24101589-034
3	G212	WT	G				6	2	1	2		1								X					X				X			24101589-035
4	G213	WT	G				6	2	1	2		1								X					X				X			24101589-036
5	G214	WT	G				6	2	1	2		1																	X			24101589-037
6	G215	WT	G				6	2	1	2		1								X					X				X			24101589-038
7	G216	WT	G				6	2	1	2		1																	X			24101589-039
8	G217	WT	G				6	2	1	2		1								X					X				X			24101589-040
9	G218	WT	G				6	2	1	2		1								X					X				X			24101589-041
10	G219	WT	G				3	1		2																	X					24101589-042
11	G220	WT	G				3	1		2																	X					24101589-043
12	G270	WT	G	10-29-24	1401		6	2	1	2		1						X		X				X		X		X	X	X			24101589-044
13	G271	WT	G				6	2	1	2		1								X					X			X		X			24101589-045
14	G272	WT	G				6	2	1	2		1																	X			24101589-046
15	G273	WT	G				6	2	1	2		1								X					X				X			24101589-047
16	G274	WT	G				6	2	1	2		1																	X			24101589-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	J. Colp	10-29	1600							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 10-29-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24101589

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 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 Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G275	WT	G				6	2	1	2		1								X					X		X		X			24101589-049
2	G275D	WT	G				3	1		2										X					X		X					24101589-050
3	G276	WT	G				6	2	1	2		1								X					X		X		X			24101589-051
4	G277	WT	G				6	2	1	2		1								X					X		X		X			24101589-052
5	G278	WT	G				6	2	1	2		1																	X			24101589-053
6	G279	WT	G				6	2	1	2		1								X					X		X	X	X			24101589-054
7	G280	WT	G				6	2	1	2		1						X		X			X		X		X	X	X			24101589-055
8	G281	WT	G				5	2		2		1					X	X				X	X					X				24101589-056
9	G283	WT	G				3	1		2										X					X		X					24101589-057
10	G284	WT	G				3	1		2										X					X		X					24101589-058
11	G285	WT	G	10-29-24	1134		3	1		2										X					X		X					24101589-059
12	G301	WT	G				2	1		1							X					X										24101589-060
13	G302	WT	G				2	1		1							X					X										24101589-061
14	G303	WT	G				2	1		1							X					X										24101589-062
15	G305	WT	G				2	1		1							X					X										24101589-063
16	G306	WT	G				2	1		1							X					X										24101589-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	J. Colp	10-29	1600	[signature]	10/29/24	1600				

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:	[signature]	DATE Signed (MM/DD/YY): 10-29-24				

24101589

CHAIN-OF-CUSTODY / Analytical Request Document

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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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G407	WT	G				5	2		2		1						X					X					X				24101589-081
2	G410	WT	G				4	1		2		1																X				24101589-082
3	G411	WT	G				4	1		2		1																X				24101589-083
4	L201	WT	G				17	10	2	1	3	1										X										24101589-084
5	NE Riser	WT	G				3	1		2										X					X							24101589-085
6	R104	WT	G				7	2	2	2		1										X							X			24101589-086
7	R201	WT	G				6	2	1	2		1								X					X		X		X			24101589-087
8	R205	WT	G				6	2	1	2		1																	X			24101589-088
9	SG-02	WT	G				0										X	X					X	X								24101589-089
10	SG-03	WT	G				0										X	X					X	X								24101589-090
11	T127	WT	G	10-29-24	1157		5	2	1	1		1										X										24101589-091
12	T128	WT	G	10-29-24	1215		5	2	1	1		1										X										24101589-092
13	X201	WT	G				3	1		2											X					X			X			24101589-093
14	XSG-01	WT	G				0										X					X										24101589-094
15	Field Blank	WT	G				20	13	2	1	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X			24101589-095
16	G102 Duplicate	WT	G				7	2	2	2		1									X								X				24101589-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	J-Colp	10-29	1600	[illegible]	10/29/24	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:	[signature]	DATE Signed (MM/DD/YY): 10-29-24				

24101589 (Doc Type: 102)

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY			
NPDES	GROUND WATER	DRINKING WATER	
UST	RCRA	OTHER	
Site Location 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G200 Duplicate	WT	G	10-29-24	1255		6	2	1	2		1							X					X		X			X			24101589-097
2	G217 Duplicate	WT	G				6	2	1	2		1							X					X					X			24101589-098
3	G301 Duplicate	WT	G				2	1		1							X					X									24101589-099
4	R201 Duplicate	WT	G				6	2	1	2		1							X						X		X		X			24101589-100
5	Equipment Blank 1	WT	G				7	4	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-101
6	Equipment Blank 2	WT	G				7	4	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-102
7	Equipment Blank 3	WT	G				7	4	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-103
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	J. Colp	10-29	1600	[illegible]	10/29/24	1600				

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:	[signature]	DATE Signed (MM/DD/YY):	10-29-24			

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D		WT	G				3	1		2											X					X				24101589-001
2	G1001		WT	G				2	1		1											X					X				24101589-002
3	G1003		WT	G				2	1		1											X					X				24101589-003
4	G101		WT	G				5	2	1	1		1													X						24101589-004
5	G102		WT	G				7	2	2	2		1													X					X	24101589-005
6	G103		WT	G	10-30-24	1706		7	2	2	2		1													X					X	24101589-006
7	G105		WT	G	1	1735		7	2	2	2		1													X					X	24101589-007
8	G106		WT	G	1	1332		7	2	2	2		1													X					X	24101589-008
9	G107		WT	G	↓	1346		5	2	1	1		1													X						24101589-009
10	G108		WT	G				5	2	1	1		1													X						24101589-010
11	G109		WT	G				5	2	1	1		1													X						24101589-011
12	G110		WT	G				5	2	1	1		1													X						24101589-012
13	G111		WT	G				5	2	1	1		1													X						24101589-013
14	G119		WT	G				5	2	1	1		1													X						24101589-014
15	G120		WT	G				5	2	1	1		1													X						24101589-015
16	G121		WT	G				5	2	1	1		1													X						24101589-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Y	N	
COF-24Q4 Rev 0	[signature] SD	10-30	1620	Jackie Davis	10/30/24	16:20				
							8.1	X		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cold

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-30-24

Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

G220 was collected on 10/30/24 not 10/24/24 per Justin Lt 10/30/24

PM 98651/98858

Added HNO_3 (99964) to G275, G275D. Added NaOH (99725) to G153

Temp Coder
1 8.1
2 9.1
3 14.1
4 16.7

UTG 10

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

COF-257-102

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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	Requested Analysis Filtered (Y/N): Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122	WT	G				5	2	1	1		1										X											24101589-017
2	G123	WT	G				5	2	1	1		1										X											24101589-018
3	G124	WT	G	10-30-24	1133		5	2	1	1		1										X											24101589-019
4	G125	WT	G				5	2	1	1		1										X											24101589-020
5	G126	WT	G				5	2	1	1		1										X											24101589-021
6	G151	WT	G	10-30-24	0916		4	2		1		1																			X			24101589-022
7	G152	WT	G				4	2		1		1																			X			24101589-023
8	G153	WT	G	10-30-24	1045		4	2		1		1																			X			24101589-024
9	G154	WT	G		1021		5	2		2		1																	X		X			24101589-025
10	G155	WT	G	"	0951		4	2		1		1																			X			24101589-026
11	G200	WT	G				6	2	1	2		1								X					X		X			X				24101589-027
12	G206	WT	G				6	2	1	2		1								X					X					X				24101589-028
13	G206D	WT	G				2	1		1										X					X									24101589-029
14	G207	WT	G				6	2	1	2		1																			X			24101589-030
15	G208	WT	G				6	2	1	2		1																			X			24101589-031
16	G209	WT	G				6	2	1	2		1								X					X					X				24101589-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		10-30	1620	Jason Davis	10/30/24	16:20				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10-30-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

COF-257-102

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Page: 3 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
	Jason Grieve; Jason.Grieve@vistracorp.com
	Rich Speraneo; Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210	WT	G				6	2	1	2		1																	X			24101589-033
2	G211	WT	G				6	2	1	2		1																	X			24101589-034
3	G212	WT	G				6	2	1	2		1							X					X					X			24101589-035
4	G213	WT	G				6	2	1	2		1							X					X					X			24101589-036
5	G214	WT	G				6	2	1	2		1																	X			24101589-037
6	G215	WT	G				6	2	1	2		1							X					X					X			24101589-038
7	G216	WT	G				6	2	1	2		1																	X			24101589-039
8	G217	WT	G				6	2	1	2		1							X					X					X			24101589-040
9	G218	WT	G				6	2	1	2		1							X					X					X			24101589-041
10	G219	WT	G				3	1		2																X						24101589-042
11	G220	WT	G	10-24-24	1309 1308		3	1		2																X						24101589-043
12	G270	WT	G				6	2	1	2		1						X		X			X		X		X		X			24101589-044
13	G271	WT	G				6	2	1	2		1								X					X		X		X			24101589-045
14	G272	WT	G				6	2	1	2		1																	X			24101589-046
15	G273	WT	G				6	2	1	2		1								X					X		X		X			24101589-047
16	G274	WT	G	10-30-24	910		6	2	1	2		1																	X			24101589-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0	SD	10-30	1620	Samantha Davies	10/30/24	16:20	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-30-24

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

24101589

COF-24Q4-102

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G	10-30-24	1004		6	2	1	2		1								X					X		X		X			24101589-049
2	G275D	WT	G	10-30-24	941		3	1		2										X					X		X					24101589-050
3	G276	WT	G	10-30-24	914		6	2	1	2		1								X					X		X		X			24101589-051
4	G277	WT	G				6	2	1	2		1								X					X		X		X			24101589-052
5	G278	WT	G	10-30-24	1059		6	2	1	2		1																	X			24101589-053
6	G279	WT	G	10-30-24	1121		6	2	1	2		1								X					X		X	X	X			24101589-054
7	G280	WT	G	10-30-24	1214		6	2	1	2		1						X		X			X		X		X	X	X			24101589-055
8	G281	WT	G	10-30-24	1425		5	2		2		1					X	X				X	X					X				24101589-056
9	G283	WT	G				3	1		2										X					X		X					24101589-057
10	G284	WT	G				3	1		2										X					X		X					24101589-058
11	G285	WT	G				3	1		2										X					X		X					24101589-059
12	G301	WT	G				2	1		1							X					X										24101589-060
13	G302	WT	G				2	1		1							X					X										24101589-061
14	G303	WT	G				2	1		1							X					X										24101589-062
15	G305	WT	G				2	1		1							X					X										24101589-063
16	G306	WT	G				2	1		1							X					X										24101589-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0		10-30	1620		10/30/24	1620	

SAMPLER NAME AND SIGNATURE							
PRINT Name of SAMPLER:	Justin Lee						
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	10-30-24	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G407	WT	G				5	2		2		1							X					X					X				24101589-081
2	G410	WT	G				4	1		2		1																	X				24101589-082
3	G411	WT	G				4	1		2		1																	X				24101589-083
4	L201	WT	G				17	10	2	1	3	1										X											24101589-084
5	NE Riser	WT	G				3	1		2										X					X								24101589-085
6	R104	WT	G	10-30-24	1302		7	2	2	2		1										X								X			24101589-086
7	R201	WT	G	10-30-24	1410		8	2	1	2		1								X					X		X			X			24101589-087
8	R205	WT	G				6	2	1	2		1																		X			24101589-088
9	SG-02	WT	G				0											X	X				X	X									24101589-089
10	SG-03	WT	G				0											X	X				X	X									24101589-090
11	T127	WT	G				5	2	1	1		1										X											24101589-091
12	T128	WT	G				5	2	1	1		1										X											24101589-092
13	X201	WT	G				3	1		2											X					X		X					24101589-093
14	XSG-01	WT	G				0											X	X				X										24101589-094
15	Field Blank	WT	G				20	13	2	1	3	1							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-095
16	G102 Duplicate	WT	G				7	2	2	2		1										X								X			24101589-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0		10-30	1620		10/30/24	1620	

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:	Juinn Cob			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10-30-24				

24101589

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY			
NPDES	GROUND WATER	DRINKING WATER	
UST	RCRA	OTHER	
Site Location 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)	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G200 Duplicate	WT	G				6	2	1	2		1							X					X		X			X		24101589-097
2	G217 Duplicate	WT	G				6	2	1	2		1							X					X					X		24101589-098
3	G301 Duplicate	WT	G				2	1		1							X					X									24101589-099
4	R201 Duplicate	WT	G	10-30-24	1410		6	2	1	2		1							X						X		X		X		24101589-100
5	Equipment Blank 1	WT	G				7	4	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-101
6	Equipment Blank 2	WT	G				7	4	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-102
7	Equipment Blank 3	WT	G				7	4	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-103
8																														
9																														
10																														
11																														
12																														
13																														
14																														
15																														
16																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		10-30	1620		10/30/24	16:20				
							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: DATE Signed (MM/DD/YY): 10-30-24

24101589

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G				3	1		2									X					X				X					24101589-001
2	G1001	WT	G				2	1		1									X					X									24101589-002
3	G1003	WT	G				2	1		1									X					X				X					24101589-003
4	G101	WT	G	10-31-24	0936		5	2	1	1		1											X										24101589-004
5	G102	WT	G	10-31-24	0959		7	2	2	2		1											X							X			24101589-005
6	G103	WT	G				7	2	2	2		1											X							X			24101589-006
7	G105	WT	G				7	2	2	2		1											X							X			24101589-007
8	G106	WT	G				7	2	2	2		1											X							X			24101589-008
9	G107	WT	G				5	2	1	1		1											X										24101589-009
10	G108	WT	G				5	2	1	1		1											X										24101589-010
11	G109	WT	G				5	2	1	1		1											X										24101589-011
12	G110	WT	G				5	2	1	1		1											X										24101589-012
13	G111	WT	G				5	2	1	1		1											X										24101589-013
14	G119	WT	G				5	2	1	1		1											X										24101589-014
15	G120	WT	G				5	2	1	1		1											X										24101589-015
16	G121	WT	G				5	2	1	1		1											X										24101589-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	[signature]	10-31	1600	[signature]	10/31/24	1600	12.5 #9			

PW 96651/98858

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Vistra Corp		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 10-31-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24101589
COF-257-102

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G122	WT	G				5	2	1	1		1										X										24101589-017
2	G123	WT	G				5	2	1	1		1										X										24101589-018
3	G124	WT	G				5	2	1	1		1										X										24101589-019
4	G125	WT	G				5	2	1	1		1										X										24101589-020
5	G126	WT	G				5	2	1	1		1										X										24101589-021
6	G151	WT	G				4	2		1		1																		X		24101589-022
7	G152	WT	G				4	2		1		1																		X		24101589-023
8	G153	WT	G				4	2		1		1																		X		24101589-024
9	G154	WT	G				5	2		2		1																X		X		24101589-025
10	G155	WT	G				4	2		1		1																		X		24101589-026
11	G200	WT	G				6	2	1	2		1								X					X		X			X		24101589-027
12	G206	WT	G	10-31-24	1412		6	2	1	2		1								X					X					X		24101589-028
13	G206D	WT	G	10-31-24	1352		2	1		1										X					X							24101589-029
14	G207	WT	G				6	2	1	2		1																		X		24101589-030
15	G208	WT	G	10-31-24	1320		6	2	1	2		1																		X		24101589-031
16	G209	WT	G	10-31-24	1309		6	2	1	2		1								X					X					X		24101589-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		10-31	1600		10/31/24	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:

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 10-31-24

24101589

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210	WT	G	10-31-24	1791		6	2	1	2		1																X			24101589-033
2	G211	WT	G	10-31-24	1206		6	2	1	2		1																X			24101589-034
3	G212	WT	G	10-31-24	1105		6	2	1	2		1						X						X				X			24101589-035
4	G213	WT	G	10-31-24	1137		6	2	1	2		1						X						X				X			24101589-036
5	G214	WT	G	10-31-24	1202		6	2	1	2		1																X			24101589-037
6	G215	WT	G		1141		6	2	1	2		1						X						X				X			24101589-038
7	G216	WT	G		1116		6	2	1	2		1																X			24101589-039
8	G217	WT	G		1053		6	2	1	2		1						X						X				X			24101589-040
9	G218	WT	G		1025		6	2	1	2		1						X						X				X			24101589-041
10	G219	WT	G	10-31-24	1019		3	1		2															X						24101589-042
11	G220	WT	G	10-31-24	1308		3	1		2															X						24101589-043
12	G270	WT	G				6	2	1	2		1						X		X				X		X	X	X			24101589-044
13	G271	WT	G	~~10-31-24~~	1420		6	2	1	2		1								X				X		X		X			24101589-045
14	G272	WT	G	10-31-24	1354		6	2	1	2		1																X			24101589-046
15	G273	WT	G	10-31-24	1324		6	2	1	2		1								X				X		X		X			24101589-047
16	G274	WT	G				6	2	1	2		1																X			24101589-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0	SJ SO	10-31	1600	Amber DiBello	10/31/24	1600		Y	N	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Culp			Temp in °C	Received on Ice (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	10-31-24		Custody Sealed Cooler (Y/N)
					Samples Intact (Y/N)

G220 received 10/30/24.
Date/time for G213
per Brett Gillihan. dm 11/1/24

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

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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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																	Requested Analysis Filtered (Y/N)																
1	G275	WT	G				6	2	1	2		1									X				X		X		X			24101589-049
2	G275D	WT	G				3	1		2											X				X		X					24101589-050
3	G276	WT	G				6	2	1	2		1									X				X		X		X			24101589-051
4	G277	WT	G				6	2	1	2		1									X				X		X		X			24101589-052
5	G278	WT	G				6	2	1	2		1																	X			24101589-053
6	G279	WT	G				6	2	1	2		1									X				X		X	X	X			24101589-054
7	G280	WT	G				6	2	1	2		1							X		X			X			X		X	X	X		24101589-055
8	G281	WT	G				5	2		2		1						X	X				X	X					X				24101589-056
9	G283	WT	G				3	1		2											X				X		X					24101589-057
10	G284	WT	G	10-31-24	1235		3	1		2											X				X		X					24101589-058
11	G285	WT	G				3	1		2											X				X		X					24101589-059
12	G301	WT	G				2	1		1								X					X										24101589-060
13	G302	WT	G				2	1		1								X					X										24101589-061
14	G303	WT	G				2	1		1								X					X										24101589-062
15	G305	WT	G				2	1		1								X					X										24101589-063
16	G306	WT	G				2	1		1								X					X										24101589-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		10-31	1600		10/31/24	1600				

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Brett Gillihan		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): 10-31-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

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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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G				2	1		1							X					X										24101589-065
2	G307D	WT	G				2	1		1							X					X										24101589-066
3	G308	WT	G				2	1		1							X					X										24101589-067
4	G310	WT	G				2	1		1							X					X										24101589-068
5	G312	WT	G				2	1		1							X					X										24101589-069
6	G313	WT	G				2	1		1							X					X										24101589-070
7	G314	WT	G				2	1		1							X					X										24101589-071
8	G314D	WT	G				2	1		1							X					X										24101589-072
9	G315	WT	G				2	1		1							X					X										24101589-073
10	G316	WT	G				2	1		1							X					X										24101589-074
11	G401	WT	G				5	2		2		1						X					X				X						24101589-075
12	G402	WT	G				5	2		2		1						X					X				X						24101589-076
13	G403	WT	G				5	2		2		1						X					X				X						24101589-077
14	G404	WT	G				5	2		2		1						X					X				X						24101589-078
15	G405	WT	G				5	2		2		1						X					X				X						24101589-079
16	G406	WT	G				5	2		2		1						X					X				X						24101589-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		10-31	1600		10/31/24	1600				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	NA		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	NA	DATE Signed (MM/DD/YY):				

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				5	2		2		1							X					X					X				24101589-081
2	G410	WT	G				4	1		2		1																	X				24101589-082
3	G411	WT	G				4	1		2		1																	X				24101589-083
4	L201	WT	G				17	10	2	1	3	1											X										24101589-084
5	NE Riser	WT	G				3	1		2											X					X							24101589-085
6	R104	WT	G				7	2	2	2		1											X								X			24101589-086
7	R201	WT	G				8	2	1	2		1									X					X		X			X			24101589-087
8	R205	WT	G				8	2	1	2		1																			X			24101589-088
9	SG-02	WT	G				0												X	X				X	X									24101589-089
10	SG-03	WT	G				0												X	X				X	X									24101589-090
11	T127	WT	G				5	2	1	1		1											X											24101589-091
12	T128	WT	G				5	2	1	1		1											X											24101589-092
13	X201	WT	G				3	1		2												X					X		X					24101589-093
14	XSG-01	WT	G				0												X					X										24101589-094
15	Field Blank	WT	G				20	13	2	1	3	1							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-095
16	G102 Duplicate	WT	G	10-31-24	0959		7	2	2	2		1											X								X			24101589-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q4 Rev 0	[signature]	10-31	1600	[signature]	10/31/24	1600

SAMPLE CONDITIONS: Y / N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cup

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-31-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

24101589
COF-257402

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY			
NPDES	GROUND WATER	DRINKING WATER	
UST	RCRA	OTHER	
Site Location 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)	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G200 Duplicate	WT	G				6	2	1	2		1							X					X		X			X			24101589-097
2	G217 Duplicate	WT	G	10-31-24	1053		6	2	1	2		1							X					X					X			24101589-098
3	G301 Duplicate	WT	G				2	1		1							X						X									24101589-099
4	R201 Duplicate	WT	G				6	2	1	2		1							X						X		X		X			24101589-100
5	Equipment Blank 1	WT	G				7	4	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-101
6	Equipment Blank 2	WT	G				7	4	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-102
7	Equipment Blank 3	WT	G				7	4	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-103
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	[signature]	10-31	1600	[signature]	10/31/24	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 Gr					
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 10-31-24				

24101589

CHAIN-OF-CUSTODY / Analytical Request Document

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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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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: 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	AP2D	WT	G				3	1		2								X					X				X					24101589-001
2	G1001	WT	G				2	1		1								X					X									24101589-002
3	G1003	WT	G				2	1		1								X					X				X					24101589-003
4	G101	WT	G				5	2	1	1		1										X										24101589-004
5	G102	WT	G				7	2	2	2		1										X							X			24101589-005
6	G103	WT	G				7	2	2	2		1										X							X			24101589-006
7	G105	WT	G				7	2	2	2		1										X							X			24101589-007
8	G106	WT	G				7	2	2	2		1										X							X			24101589-008
9	G107	WT	G				5	2	1	1		1										X										24101589-009
10	G108	WT	G				5	2	1	1		1										X										24101589-010
11	G109	WT	G				5	2	1	1		1										X										24101589-011
12	G110	WT	G				5	2	1	1		1										X										24101589-012
13	G111	WT	G				5	2	1	1		1										X										24101589-013
14	G119	WT	G				5	2	1	1		1										X										24101589-014
15	G120	WT	G				5	2	1	1		1										X										24101589-015
16	G121	WT	G				5	2	1	1		1										X										24101589-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0	[signature]	11-4	1550	Jackie Davis	11-4-24	15:50	3.3
							#5

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	NA				
SIGNATURE of SAMPLER:	NA				
DATE Signed (MM/DD/YY):					

Cooler #1 3.3c
Cooler #2 3.5c LTA5
Cooler #3 3.5c
Cooler #4 2.1c

SM 11/5/24

Added NaOH (99725) to Samples G276, G407
HNO3 (99964) to Samples G314D, G316

PH 96651, 98858

JD 11/5/24

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G122	WT	G				5	2	1	1		1									X											24101589-017
2	G123	WT	G	11/4/24	1339		5	2	1	1		1									X											24101589-018
3	G124	WT	G				5	2	1	1		1									X											24101589-019
4	G125	WT	G				5	2	1	1		1									X											24101589-020
5	G126	WT	G				5	2	1	1		1									X											24101589-021
6	G151	WT	G				4	2		1		1																		X			24101589-022
7	G152	WT	G				4	2		1		1																		X			24101589-023
8	G153	WT	G				4	2		1		1																		X			24101589-024
9	G154	WT	G				5	2		2		1																X		X			24101589-025
10	G155	WT	G				4	2		1		1																		X			24101589-026
11	G200	WT	G				6	2	1	2		1							X					X					X				24101589-027
12	G206	WT	G				6	2	1	2		1							X					X					X				24101589-028
13	G206D	WT	G				2	1		1									X					X									24101589-029
14	G207	WT	G	11/4/24	1225		6	2	1	2		1																	X				24101589-030
15	G208	WT	G				6	2	1	2		1																	X				24101589-031
16	G209	WT	G				6	2	1	2		1							X					X					X				24101589-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		11-4	1550	Jakie Davis	11-4-24	15:50				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:			Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 11/21/24					

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

COC-038-002

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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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G210	WT	G				6	2	1	2		1																	X			24101589-033
2	G211	WT	G				6	2	1	2		1																	X			24101589-034
3	G212	WT	G				6	2	1	2		1							X					X					X			24101589-035
4	G213	WT	G				6	2	1	2		1							X					X					X			24101589-036
5	G214	WT	G				6	2	1	2		1																	X			24101589-037
6	G215	WT	G				6	2	1	2		1							X					X					X			24101589-038
7	G216	WT	G				6	2	1	2		1																	X			24101589-039
8	G217	WT	G				6	2	1	2		1							X					X					X			24101589-040
9	G218	WT	G				6	2	1	2		1							X					X					X			24101589-041
10	G219	WT	G				3	1		2															X							24101589-042
11	G220	WT	G				3	1		2															X							24101589-043
12	G270	WT	G				6	2	1	2		1						X		X			X		X		X	X	X			24101589-044
13	G271	WT	G				6	2	1	2		1								X					X		X		X			24101589-045
14	G272	WT	G				6	2	1	2		1																	X			24101589-046
15	G273	WT	G				6	2	1	2		1								X					X				X			24101589-047
16	G274	WT	G				6	2	1	2		1																	X			24101589-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0	[signature]	11-4	1550	Jackie Davis	11-4-24	15:50		Y	N	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	NA					
SIGNATURE of SAMPLER:	NA	DATE Signed (MM/DD/YY):				

24101589

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY			
NPDES	GROUND WATER	DRINKING WATER	
UST	RCRA	OTHER	
Site Location STATE:	IL		

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G275	WT	G				6	2	1	2		1								X					X		X		X			24101589-049
2	G275D	WT	G				3	1		2										X					X		X					24101589-050
3	G276	WT	G	11/4/24	1126		6	2	1	2		1								X					X		X		X			24101589-051
4	G277	WT	G				6	2	1	2		1								X					X		X		X			24101589-052
5	G278	WT	G				6	2	1	2		1																	X			24101589-053
6	G279	WT	G				6	2	1	2		1								X					X		X	X	X			24101589-054
7	G280	WT	G				6	2	1	2		1						X		X			X		X		X	X	X			24101589-055
8	G281	WT	G				5	2		2		1					X	X				X	X					X					24101589-056
9	G283	WT	G				3	1		2										X					X		X					24101589-057
10	G284	WT	G				3	1		2										X					X		X					24101589-058
11	G285	WT	G				3	1		2										X					X		X					24101589-059
12	G301	WT	G				2	1		1							X					X										24101589-060
13	G302	WT	G				2	1		1							X					X										24101589-061
14	G303	WT	G				2	1		1							X					X										24101589-062
15	G305	WT	G				2	1		1							X					X										24101589-063
16	G306	WT	G	11-4-24	1019		2	1		1							X					X										24101589-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		11-4	1550		11/4/24	15:50				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cole		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): 11-4-24				

24101589

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 5 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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	Requested Analysis Filtered (Y/N): COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G	11-4-24	1119		2	1		1							X					X										24101589-065
2	G307D	WT	G	11-4-24	1056		2	1		1							X					X										24101589-066
3	G308	WT	G	11-4-24	1156		2	1		1							X					X										24101589-067
4	G310	WT	G				2	1		1							X					X										24101589-068
5	G312	WT	G				2	1		1							X					X										24101589-069
6	G313	WT	G				2	1		1							X					X										24101589-070
7	G314	WT	G				2	1		1							X					X										24101589-071
8	G314D	WT	G	11-4-24	1350		2	1		1							X					X										24101589-072
9	G315	WT	G	11-4-24	1316		2	1		1							X					X										24101589-073
10	G316	WT	G	11-4-24	1236		2	1		1							X					X										24101589-074
11	G401	WT	G				5	2		2		1						X					X					X					24101589-075
12	G402	WT	G	11-4-24	1157		5	2		2		1						X					X					X					24101589-076
13	G403	WT	G		1106		5	2		2		1						X					X					X					24101589-077
14	G404	WT	G		1040		5	2		2		1						X					X					X					24101589-078
15	G405	WT	G		1021		5	2		2		1						X					X					X					24101589-079
16	G406	WT	G		1746		5	2		2		1						X					X					X					24101589-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		11-4	1550	Jackie Dewire	11/4/24	15:50				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-4-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

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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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G407	WT	G	11-4-24	1340		5	2		2		1						X					X					X				24101589-081
2	G410	WT	G				4	1		2		1																X				24101589-082
3	G411	WT	G				4	1		2		1																X				24101589-083
4	L201	WT	G				17	10	2	1	3	1										X										24101589-084
5	NE Riser	WT	G				3	1		2									X					X								24101589-085
6	R104	WT	G				7	2	2	2		1										X							X				24101589-086
7	R201	WT	G				6	2	1	2		1							X					X		X			X				24101589-087
8	R205	WT	G				6	2	1	2		1																	X				24101589-088
9	SG-02	WT	G				0										X	X					X	X								24101589-089
10	SG-03	WT	G				0										X	X					X	X								24101589-090
11	T127	WT	G				5	2	1	1		1										X										24101589-091
12	T128	WT	G				5	2	1	1		1										X										24101589-092
13	X201	WT	G				3	1		2											X				X		X					24101589-093
14	XSG-01	WT	G				0										X						X									24101589-094
15	Field Blank	WT	G				20	13	2	1	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X			24101589-095
16	G102 Duplicate	WT	G				7	2	2	2		1									X								X				24101589-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0		11-4	1550		11/4/24	15:50	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cop			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-4-24				

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY: NPDES, GROUND WATER, DRINKING WATER, UST, RCRA, OTHER

Site Location 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)	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G200 Duplicate	WT	G				6	2	1	2		1							X					X		X			X			24101589-097
2	G217 Duplicate	WT	G				6	2	1	2		1							X					X					X			24101589-098
3	G301 Duplicate	WT	G				2	1		1							X					X										24101589-099
4	R201 Duplicate	WT	G				6	2	1	2		1							X						X		X		X			24101589-100
5	Equipment Blank 1	WT	G				7	4	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-101
6	Equipment Blank 2	WT	G				7	4	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-102
7	Equipment Blank 3	WT	G				7	4	1	1		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-103
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0		11-4	1550	Jackie Davis	11/4/24	15:55	

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:	NA			Y	N	
SIGNATURE of SAMPLER:	NA	DATE Signed (MM/DD/YY):				

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G				3	1		2								X					X				X					24101589-001
2	G1001	WT	G				2	1		1								X					X									24101589-002
3	G1003	WT	G				2	1		1								X					X				X					24101589-003
4	G101	WT	G				5	2	1	1		1										X										24101589-004
5	G102	WT	G				7	2	2	2		1										X							X			24101589-005
6	G103	WT	G				7	2	2	2		1										X							X			24101589-006
7	G105	WT	G				7	2	2	2		1										X							X			24101589-007
8	G106	WT	G				7	2	2	2		1										X							X			24101589-008
9	G107	WT	G				5	2	1	1		1										X										24101589-009
10	G108	WT	G				5	2	1	1		1										X										24101589-010
11	G109	WT	G				5	2	1	1		1										X										24101589-011
12	G110	WT	G				5	2	1	1		1										X										24101589-012
13	G111	WT	G				5	2	1	1		1										X										24101589-013
14	G119	WT	G				5	2	1	1		1										X										24101589-014
15	G120	WT	G				5	2	1	1		1										X										24101589-015
16	G121	WT	G				5	2	1	1		1										X										24101589-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		11-6	1545		11/6	1545				

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:	NA					
SIGNATURE of SAMPLER:	NA	DATE Signed (MM/DD/YY):				

Added HNO_3 (99964) G313, G314, G401
NAOH (99725) G401
PH 96651, 98858
JD 11-7-24

#9 ICE
Temp: 4.1
5.7
3.7

24101589

COF-257-102

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G122	WT	G				5	2	1	1		1									X											24101589-017
2	G123	WT	G				5	2	1	1		1									X											24101589-018
3	G124	WT	G				5	2	1	1		1									X											24101589-019
4	G125	WT	G	11/6/24	1022		5	2	1	1		1									X											24101589-020
5	G126	WT	G				5	2	1	1		1									X											24101589-021
6	G151	WT	G				4	2		1		1																			X		24101589-022
7	G152	WT	G	11/6/24	1130		4	2		1		1																			X		24101589-023
8	G153	WT	G				4	2		1		1																			X		24101589-024
9	G154	WT	G				5	2		2		1																	X		X		24101589-025
10	G155	WT	G				4	2		1		1																			X		24101589-026
11	G200	WT	G				6	2	1	2		1								X				X		X				X			24101589-027
12	G206	WT	G				6	2	1	2		1								X				X						X			24101589-028
13	G206D	WT	G				2	1		1										X				X									24101589-029
14	G207	WT	G				6	2	1	2		1																		X			24101589-030
15	G208	WT	G				6	2	1	2		1																		X			24101589-031
16	G209	WT	G				6	2	1	2		1								X				X						X			24101589-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		11-6	1545		11/6	1545				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 11/6/24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

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Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940108781-003	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	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210	WT	G				6	2	1	2		1																		X			24101589-033
2	G211	WT	G				6	2	1	2		1																		X			24101589-034
3	G212	WT	G				6	2	1	2		1								X					X					X			24101589-035
4	G213	WT	G				6	2	1	2		1								X					X					X			24101589-036
5	G214	WT	G				6	2	1	2		1																		X			24101589-037
6	G215	WT	G				6	2	1	2		1								X					X					X			24101589-038
7	G216	WT	G				6	2	1	2		1																		X			24101589-039
8	G217	WT	G				6	2	1	2		1								X					X					X			24101589-040
9	G218	WT	G				6	2	1	2		1								X					X					X			24101589-041
10	G219	WT	G				3	1		2																	X						24101589-042
11	G220	WT	G				3	1		2																	X						24101589-043
12	G270	WT	G				6	2	1	2		1							X		X				X		X		X	X	X			24101589-044
13	G271	WT	G				6	2	1	2		1									X				X		X			X			24101589-045
14	G272	WT	G				6	2	1	2		1																		X			24101589-046
15	G273	WT	G				6	2	1	2		1									X				X					X			24101589-047
16	G274	WT	G				6	2	1	2		1																		X			24101589-048

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0		11-6	1545		11/6	1545	

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:	NA			Y	N	
SIGNATURE of SAMPLER:	NA	DATE Signed (MM/DD/YY):				

24101589

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G				6	2	1	2		1									X					X		X		X			24101589-049
2	G275D	WT	G				3	1		2											X					X		X					24101589-050
3	G276	WT	G				6	2	1	2		1									X					X		X		X			24101589-051
4	G277	WT	G				6	2	1	2		1									X					X		X		X			24101589-052
5	G278	WT	G				6	2	1	2		1																	X				24101589-053
6	G279	WT	G				6	2	1	2		1									X					X		X	X	X			24101589-054
7	G280	WT	G				6	2	1	2		1							X		X			X		X		X	X	X			24101589-055
8	G281	WT	G				5	2		2		1						X	X				X	X					X				24101589-056
9	G283	WT	G				3	1		2											X					X		X					24101589-057
10	G284	WT	G				3	1		2											X					X		X					24101589-058
11	G285	WT	G				3	1		2											X					X		X					24101589-059
12	G301	WT	G				2	1		1								X					X										24101589-060
13	G302	WT	G	11-6-24	1158		2	1		1								X					X										24101589-061
14	G303	WT	G	11-6-24	1348		2	1		1								X					X										24101589-062
15	G305	WT	G	11-6-24	1320		2	1		1								X					X										24101589-063
16	G306	WT	G				2	1		1								X					X										24101589-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		11-6	1545		11/6	1545		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 Gip

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 11-6-24

24101589

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G				2	1		1							X					X										24101589-065
2	G307D	WT	G				2	1		1							X					X										24101589-066
3	G308	WT	G				2	1		1							X					X										24101589-067
4	G310	WT	G	11-6-24	1121		2	1		1							X					X										24101589-068
5	G312	WT	G	11-6-24	1252		2	1		1							X					X										24101589-069
6	G313	WT	G				2	1		1							X					X										24101589-070
7	G314	WT	G	11-6-24	1411		2	1		1							X					X										24101589-071
8	G314D	WT	G				2	1		1							X					X										24101589-072
9	G315	WT	G				2	1		1							X					X										24101589-073
10	G316	WT	G				2	1		1							X					X										24101589-074
11	G401	WT	G	11-6-24	1036		5	2		2		1						X					X					X				24101589-075
12	G402	WT	G				5	2		2		1						X					X					X				24101589-076
13	G403	WT	G				5	2		2		1						X					X					X				24101589-077
14	G404	WT	G				5	2		2		1						X					X					X				24101589-078
15	G405	WT	G				5	2		2		1						X					X					X				24101589-079
16	G406	WT	G				5	2		2		1						X					X					X				24101589-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0		11-6	1545		11/6	1545	

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Old				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	11-6-24		

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

24101589

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
																Requested Analysis Filtered (Y/N)																	
1	G407	WT	G				5	2		2		1						X					X					X				24101589-081
2	G410	WT	G	11-6-24	0959		4	1		2		1																X				24101589-082
3	G411	WT	G	11-6-24	0922		4	1		2		1																X				24101589-083
4	L201	WT	G				17	10	2	1	3	1									X											24101589-084
5	NE Riser	WT	G				3	1		2										X					X							24101589-085
6	R104	WT	G				7	2	2	2		1									X								X			24101589-086
7	R201	WT	G				8	2	1	2		1								X					X		X		X			24101589-087
8	R205	WT	G	11/6/24	1253		8	2	1	2		1																	X			24101589-088
9	SG-02	WT	G				0										X	X				X	X									24101589-089
10	SG-03	WT	G				0										X	X				X	X									24101589-090
11	T127	WT	G				5	2	1	1		1									X											24101589-091
12	T128	WT	G				5	2	1	1		1									X											24101589-092
13	X201	WT	G				3	1		2										X					X		X					24101589-093
14	XSG-01	WT	G				0										X					X										24101589-094
15	Field Blank	WT	G				20	13	2	1	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X			24101589-095
16	G102 Duplicate	WT	G				7	2	2	2		1									X								X				24101589-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q4 Rev 0		11-6	1545		11/6	1545

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 Culp

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 11-6-24

24101589

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY: NPDES, GROUND WATER, DRINKING WATER, UST, RCRA, OTHER

Site Location 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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes)	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G200 Duplicate	WT	G				6	2	1	2		1								X					X			X			24101589-097
2	G217 Duplicate	WT	G				6	2	1	2		1								X								X			24101589-098
3	G301 Duplicate	WT	G				2	1		1								X					X									24101589-099
4	R201 Duplicate	WT	G				6	2	1	2		1								X					X		X		X			24101589-100
5	Equipment Blank 1	WT	G				7	4	1	1		1						X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-101
6	Equipment Blank 2	WT	G				7	4	1	1		1						X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-102
7	Equipment Blank 3	WT	G				7	4	1	1		1						X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-103
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		11-6	1545		11/6	1545				

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:	NA					
SIGNATURE of SAMPLER:	NA	DATE Signed (MM/DD/YY):				

24101589

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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	Requested Analysis Filtered (Y/N): COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G	11-7-24	1245		3	1		2								X				X				X					24101589-001
2	G1001	WT	G	"	1118		2	1		1								X				X									24101589-002
3	G1003	WT	G		DRY		2	1		1								X				X				X					24101589-003
4	G101	WT	G				5	2	1	1		1										X									24101589-004
5	G102	WT	G				7	2	2	2		1										X							X			24101589-005
6	G103	WT	G				7	2	2	2		1										X							X			24101589-006
7	G105	WT	G				7	2	2	2		1										X							X			24101589-007
8	G106	WT	G				7	2	2	2		1										X							X			24101589-008
9	G107	WT	G				5	2	1	1		1										X										24101589-009
10	G108	WT	G				5	2	1	1		1										X										24101589-010
11	G109	WT	G				5	2	1	1		1										X										24101589-011
12	G110	WT	G				5	2	1	1		1										X										24101589-012
13	G111	WT	G				5	2	1	1		1										X										24101589-013
14	G119	WT	G				5	2	1	1		1										X										24101589-014
15	G120	WT	G				5	2	1	1		1										X										24101589-015
16	G121	WT	G				5	2	1	1		1										X										24101589-016

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	Jim Franch	11/1/24	1533	Sparkie Davis	11/7/24	15:33	5.5			
							#5			

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Brett Gillihan		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): 11-1-24				

pH 9.65 / 9.88 58

ØHS

Field Blank Fecal ran out of hold due to lab error. JM 11/8/24

24101589

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G				6	2	1	2		1								X					X		X		X			24101589-049
2	G275D	WT	G				3	1		2										X					X		X					24101589-050
3	G276	WT	G				6	2	1	2		1								X					X		X		X			24101589-051
4	G277	WT	G		DRY		6	2	1	2		1								X					X		X		X			24101589-052
5	G278	WT	G				6	2	1	2		1																	X			24101589-053
6	G279	WT	G				6	2	1	2		1								X					X		X	X	X			24101589-054
7	G280	WT	G				6	2	1	2		1						X		X			X		X		X	X	X			24101589-055
8	G281	WT	G				5	2		2		1					X	X				X	X					X					24101589-056
9	G283	WT	G	11/7/24	1211		3	1		2										X					X		X					24101589-057
10	G284	WT	G				3	1		2										X					X		X					24101589-058
11	G285	WT	G				3	1		2										X					X		X					24101589-059
12	G301	WT	G	11/7/24	1318		2	1		1							X					X										24101589-060
13	G302	WT	G				2	1		1							X					X										24101589-061
14	G303	WT	G				2	1		1							X					X										24101589-062
15	G305	WT	G				2	1		1							X					X										24101589-063
16	G306	WT	G				2	1		1							X					X										24101589-064

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	Jeremy Garrett	11/7/24	1533	Jackie Deers	11/7/24	15:33				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Brett Gilliken		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): 11-7-24				

24101589

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Section D Required Client Information	Valid Matrix Codes MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE																		Requested Analysis Filtered (Y/N)														
1	G307		WT	G				2	1		1								X					X								24101589-065
2	G307D		WT	G				2	1		1								X					X								24101589-066
3	G308		WT	G				2	1		1								X					X								24101589-067
4	G310		WT	G				2	1		1								X					X								24101589-068
5	G312		WT	G				2	1		1								X					X								24101589-069
6	G313		WT	G	11-7-24	1140		2	1		1								X					X								24101589-070
7	G314		WT	G				2	1		1								X					X								24101589-071
8	G314D		WT	G				2	1		1								X					X								24101589-072
9	G315		WT	G				2	1		1								X					X								24101589-073
10	G316		WT	G				2	1		1								X					X								24101589-074
11	G401		WT	G				5	2		2		1							X					X								24101589-075
12	G402		WT	G				5	2		2		1							X					X								24101589-076
13	G403		WT	G				5	2		2		1							X					X								24101589-077
14	G404		WT	G				5	2		2		1							X					X								24101589-078
15	G405		WT	G				5	2		2		1							X					X								24101589-079
16	G406		WT	G				5	2		2		1							X					X								24101589-080

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	Justin Cop	11/7/24	1533	Jackie Davis	11/7/24	1532				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cop					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-7-24				

24101589

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				5	2		2		1							X					X					X				24101589-081
2	G410	WT	G				4	1		2		1																	X				24101589-082
3	G411	WT	G				4	1		2		1																	X				24101589-083
4	L201	WT	G	11-7-24	1222		17	10	2	1	3	1										X										24101589-084
5	NE Riser	WT	G	11-7-24	1047		3	1		2										X				X								24101589-085
6	R104	WT	G				7	2	2	2		1										X								X			24101589-086
7	R201	WT	G				6	2	1	2		1								X					X		X			X			24101589-087
8	R205	WT	G				6	2	1	2		1																		X			24101589-088
9	SG-02	WT	G				0											X	X				X	X									24101589-089
10	SG-03	WT	G				0											X	X				X	X									24101589-090
11	T127	WT	G				5	2	1	1		1										X											24101589-091
12	T128	WT	G				5	2	1	1		1										X											24101589-092
13	* X201 Filter in lab	WT	G	11-7-24	1058		3	1		2											X				X		X						24101589-093
14	XSG-01	WT	G				0											X					X										24101589-094
15	Field Blank	WT	G	11-7-24	1255		20	13	2	1	3	1							X	X	X	X	X	X	X	X	X	X	X	X	X			24101589-095
16	G102 Duplicate	WT	G				7	2	2	2		1										X								X			24101589-096

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0	Justin Cargell	11/7/24	1533	Jackie Davies	11/7/24	15:33	

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Justin Cargell		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): 11-7-24				

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY			
NPDES	GROUND WATER	DRINKING WATER	
UST	RCRA	OTHER	
Site Location 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G200 Duplicate	WT	G				6	2	1	2		1								X				X		X			X			24101589-097
2	G217 Duplicate	WT	G				6	2	1	2		1								X				X					X			24101589-098
3	G301 Duplicate	WT	G	11/7/24	1378		2	1		1								X					X									24101589-099
4	R201 Duplicate	WT	G				6	2	1	2		1								X						X		X					24101589-100
5	Equipment Blank 1	WT	G		N/A		7	4	1	1		1						X	X	X	X	X	X	X	X	X	X	X	X	X			24101589-101
6	Equipment Blank 2	WT	G		N/A		7	4	1	1		1						X	X	X	X	X	X	X	X	X	X	X	X	X			24101589-102
7	Equipment Blank 3	WT	G		N/A		7	4	1	1		1						X	X	X	X	X	X	X	X	X	X	X	X	X			24101589-103
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	Tracy Carroll	11/7/24	1533	Jackie Davis	11/7/24	15:33				
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tracy Carroll

SIGNATURE of SAMPLER: Tracy Carroll DATE Signed (MM/DD/YY): 11/7/24

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

December 17, 2024

Eric Bauer
Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
TEL: (414) 837-3607
FAX: (414) 837-3608

Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: COF-24Q4 **WorkOrder:** 24101590

Dear Eric Bauer:

TEKLAB, INC received 64 samples on 11/7/2024 3:33:00 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: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	66
Receiving Check List	68
Chain of Custody	Appended

Definitions

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Abbr	Definition
*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
NC	Data is not acceptable for compliance purposes
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Definitions

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-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-24Q4

Work Order: 24101590
Report Date: 17-Dec-24

Cooler Receipt Temp: 14.9 °C

An employee of Teklab, Inc. collected the sample(s).

G1003 and G277 could not be collected; the wells were dry. G276 went dry during sample collection. Equipment Blanks were not needed (dedicated equipment, only, was employed).

Dates/times of collection per field file confirmation. EAH 11/14/24

Ra226/228 analyses were performed by Eurofins St. Louis. See attached reports for results and QC.

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

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:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-001 **Client Sample ID:** G1001

Matrix: GROUNDWATER **Collection Date:** 11/07/2024 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:21	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-003
Client Sample ID: G151
Matrix: GROUNDWATER
Collection Date: 10/30/2024 9:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:21	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-004
Client Sample ID: G152
Matrix: GROUNDWATER
Collection Date: 11/06/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:22	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-005
Client Sample ID: G153
Matrix: GROUNDWATER
Collection Date: 10/30/2024 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:22	R357464

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-006 **Client Sample ID:** G154

Matrix: GROUNDWATER **Collection Date:** 10/30/2024 10:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:22	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-007
Client Sample ID: G155
Matrix: GROUNDWATER
Collection Date: 10/30/2024 9:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:22	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-008
Client Sample ID: G200
Matrix: GROUNDWATER
Collection Date: 10/29/2024 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:22	R357464

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-009 **Client Sample ID:** G206

Matrix: GROUNDWATER **Collection Date:** 10/31/2024 14:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:23	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-010
Client Sample ID: G206D
Matrix: GROUNDWATER
Collection Date: 10/31/2024 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:23	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-011 **Client Sample ID:** G209

Matrix: GROUNDWATER **Collection Date:** 10/31/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:23	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-012 **Client Sample ID:** G212

Matrix: GROUNDWATER **Collection Date:** 10/31/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:19	R357464

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-013 **Client Sample ID:** G213

Matrix: GROUNDWATER **Collection Date:** 10/31/2024 11:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:19	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-014
Client Sample ID: G215
Matrix: GROUNDWATER
Collection Date: 10/31/2024 11:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:20	R357464

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-015 **Client Sample ID:** G217

Matrix: GROUNDWATER **Collection Date:** 10/31/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:20	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-016
Client Sample ID: G218
Matrix: GROUNDWATER
Collection Date: 10/31/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:20	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-017
Client Sample ID: G219
Matrix: GROUNDWATER
Collection Date: 10/31/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:20	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-018
Client Sample ID: G220
Matrix: GROUNDWATER
Collection Date: 10/30/2024 13:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:20	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-019
Client Sample ID: G270
Matrix: GROUNDWATER
Collection Date: 10/29/2024 14:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:20	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-020
Client Sample ID: G271
Matrix: GROUNDWATER
Collection Date: 10/31/2024 14:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:20	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-021
Client Sample ID: G273
Matrix: GROUNDWATER
Collection Date: 10/31/2024 13:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/02/2024 12:20	R357464

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-022
Client Sample ID: G275
Matrix: GROUNDWATER
Collection Date: 10/30/2024 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 12:08	R357675

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-023 **Client Sample ID:** G275D

Matrix: GROUNDWATER **Collection Date:** 10/30/2024 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	12/05/2024 12:08	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-024 **Client Sample ID:** G276

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 11:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 12:08	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-026
Client Sample ID: G279
Matrix: GROUNDWATER
Collection Date: 10/30/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 12:08	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-027
Client Sample ID: G280
Matrix: GROUNDWATER
Collection Date: 10/30/2024 12:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 12:08	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-028
Client Sample ID: G281
Matrix: GROUNDWATER
Collection Date: 10/30/2024 14:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 12:12	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-029
Client Sample ID: G283
Matrix: GROUNDWATER
Collection Date: 11/07/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 12:11	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-030
Client Sample ID: G284
Matrix: GROUNDWATER
Collection Date: 10/31/2024 12:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 12:12	R357675

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-031 **Client Sample ID:** G285

Matrix: GROUNDWATER **Collection Date:** 10/29/2024 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	12/05/2024 12:12	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-032
Client Sample ID: G301
Matrix: GROUNDWATER
Collection Date: 11/07/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 13:35	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-033
Client Sample ID: G302
Matrix: GROUNDWATER
Collection Date: 11/06/2024 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 13:35	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-034
Client Sample ID: G303
Matrix: GROUNDWATER
Collection Date: 11/06/2024 13:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 13:36	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-035
Client Sample ID: G305
Matrix: GROUNDWATER
Collection Date: 11/06/2024 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	12/05/2024 13:36	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-036
Client Sample ID: G306
Matrix: GROUNDWATER
Collection Date: 11/04/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 13:36	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-037
Client Sample ID: G307
Matrix: GROUNDWATER
Collection Date: 11/04/2024 11:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 13:36	R357675

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-038 **Client Sample ID:** G307D

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 10:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 13:37	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-039
Client Sample ID: G308
Matrix: GROUNDWATER
Collection Date: 11/04/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 13:37	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-040
Client Sample ID: G310
Matrix: GROUNDWATER
Collection Date: 11/06/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 13:38	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-041
Client Sample ID: G312
Matrix: GROUNDWATER
Collection Date: 11/06/2024 12:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/05/2024 13:38	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-042
Client Sample ID: G313
Matrix: GROUNDWATER
Collection Date: 11/07/2024 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	12/05/2024 13:38	R357675

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-043 **Client Sample ID:** G314

Matrix: GROUNDWATER **Collection Date:** 11/06/2024 14:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:49	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-044 **Client Sample ID:** G314D

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 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	12/04/2024 11:49	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-045
Client Sample ID: G315
Matrix: GROUNDWATER
Collection Date: 11/04/2024 13:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:49	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-046
Client Sample ID: G316
Matrix: GROUNDWATER
Collection Date: 11/04/2024 12:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:49	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-047
Client Sample ID: G401
Matrix: GROUNDWATER
Collection Date: 11/06/2024 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:50	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-048
Client Sample ID: G402
Matrix: GROUNDWATER
Collection Date: 11/04/2024 11:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:50	R357675

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-049 **Client Sample ID:** G403

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 11:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:50	R357675

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-050 **Client Sample ID:** G404

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 10:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:50	R357675

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-051 **Client Sample ID:** G405

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 10:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:50	R357675

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-052 **Client Sample ID:** G406

Matrix: GROUNDWATER **Collection Date:** 11/04/2024 12:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:50	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-053
Client Sample ID: G407
Matrix: GROUNDWATER
Collection Date: 11/04/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:51	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-054
Client Sample ID: G410
Matrix: GROUNDWATER
Collection Date: 11/06/2024 9:59

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:51	R357675

Laboratory Results

http://www.teklabinc.com/

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-055 **Client Sample ID:** G411

Matrix: GROUNDWATER **Collection Date:** 11/06/2024 9:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:51	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-056
Client Sample ID: R201
Matrix: GROUNDWATER
Collection Date: 10/30/2024 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:51	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-057
Client Sample ID: Field Blank
Matrix: AQUEOUS
Collection Date: 11/07/2024 12:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:51	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-058
Client Sample ID: G200 Duplicate
Matrix: GROUNDWATER
Collection Date: 10/29/2024 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:51	R357675

Laboratory Results

Teklab, Inc.
Environmental Laboratory
http://www.teklabinc.com/

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24
Lab ID: 24101590-059
Client Sample ID: G217 Duplicate
Matrix: GROUNDWATER
Collection Date: 10/31/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:52	R357675

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-060 **Client Sample ID:** G301 Duplicate

Matrix: GROUNDWATER **Collection Date:** 11/07/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:56	R357675

Laboratory Results

Client: Ramboll **Work Order:** 24101590

Client Project: COF-24Q4 **Report Date:** 17-Dec-24

Lab ID: 24101590-061 **Client Sample ID:** R201 Duplicate

Matrix: GROUNDWATER **Collection Date:** 10/30/2024 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		**See Attached**		1	12/04/2024 11:56	R357675

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24101590-001	G1001	Groundwater	1	11/07/2024 11:18
24101590-002	G1003	Groundwater	1	
24101590-003	G151	Groundwater	1	10/30/2024 9:16
24101590-004	G152	Groundwater	1	11/06/2024 11:30
24101590-005	G153	Groundwater	1	10/30/2024 10:45
24101590-006	G154	Groundwater	1	10/30/2024 10:21
24101590-007	G155	Groundwater	1	10/30/2024 9:51
24101590-008	G200	Groundwater	1	10/29/2024 12:33
24101590-009	G206	Groundwater	1	10/31/2024 14:12
24101590-010	G206D	Groundwater	1	10/31/2024 13:52
24101590-011	G209	Groundwater	1	10/31/2024 13:04
24101590-012	G212	Groundwater	1	10/31/2024 11:05
24101590-013	G213	Groundwater	1	10/31/2024 11:37
24101590-014	G215	Groundwater	1	10/31/2024 11:41
24101590-015	G217	Groundwater	1	10/31/2024 10:53
24101590-016	G218	Groundwater	1	10/31/2024 10:25
24101590-017	G219	Groundwater	1	10/31/2024 10:19
24101590-018	G220	Groundwater	1	10/30/2024 13:08
24101590-019	G270	Groundwater	1	10/29/2024 14:01
24101590-020	G271	Groundwater	1	10/31/2024 14:20
24101590-021	G273	Groundwater	1	10/31/2024 13:24
24101590-022	G275	Groundwater	1	10/30/2024 10:04
24101590-023	G275D	Groundwater	1	10/30/2024 9:42
24101590-024	G276	Groundwater	1	11/04/2024 11:26
24101590-025	G277	Groundwater	1	
24101590-026	G279	Groundwater	1	10/30/2024 11:21
24101590-027	G280	Groundwater	1	10/30/2024 12:14
24101590-028	G281	Groundwater	1	10/30/2024 14:25
24101590-029	G283	Groundwater	1	11/07/2024 12:11
24101590-030	G284	Groundwater	1	10/31/2024 12:35
24101590-031	G285	Groundwater	1	10/29/2024 11:34
24101590-032	G301	Groundwater	1	11/07/2024 13:18
24101590-033	G302	Groundwater	1	11/06/2024 11:58
24101590-034	G303	Groundwater	1	11/06/2024 13:48
24101590-035	G305	Groundwater	1	11/06/2024 13:20
24101590-036	G306	Groundwater	1	11/04/2024 10:19
24101590-037	G307	Groundwater	1	11/04/2024 11:19
24101590-038	G307D	Groundwater	1	11/04/2024 10:56
24101590-039	G308	Groundwater	1	11/04/2024 11:56

Teklab, Inc. Environmental Laboratory

Sample Summary

Client: Ramboll
Work Order: 24101590
Client Project: COF-24Q4
Report Date: 17-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24101590-040	G310	Groundwater	1	11/06/2024 11:21
24101590-041	G312	Groundwater	1	11/06/2024 12:52
24101590-042	G313	Groundwater	1	11/07/2024 11:40
24101590-043	G314	Groundwater	1	11/06/2024 14:11
24101590-044	G314D	Groundwater	1	11/04/2024 13:50
24101590-045	G315	Groundwater	1	11/04/2024 13:16
24101590-046	G316	Groundwater	1	11/04/2024 12:36
24101590-047	G401	Groundwater	1	11/06/2024 10:36
24101590-048	G402	Groundwater	1	11/04/2024 11:57
24101590-049	G403	Groundwater	1	11/04/2024 11:06
24101590-050	G404	Groundwater	1	11/04/2024 10:40
24101590-051	G405	Groundwater	1	11/04/2024 10:21
24101590-052	G406	Groundwater	1	11/04/2024 12:46
24101590-053	G407	Groundwater	1	11/04/2024 13:40
24101590-054	G410	Groundwater	1	11/06/2024 9:59
24101590-055	G411	Groundwater	1	11/06/2024 9:22
24101590-056	R201	Groundwater	1	10/30/2024 14:10
24101590-057	Field Blank	Aqueous	1	11/07/2024 12:55
24101590-058	G200 Duplicate	Groundwater	1	10/29/2024 12:33
24101590-059	G217 Duplicate	Groundwater	1	10/31/2024 10:53
24101590-060	G301 Duplicate	Groundwater	1	11/07/2024 13:18
24101590-061	R201 Duplicate	Groundwater	1	10/30/2024 14:10
24101590-062	Equipment Blank 1	Aqueous	1	
24101590-063	Equipment Blank 2	Aqueous	1	
24101590-064	Equipment Blank 3	Aqueous	1	

Teklab, Inc. Environmental Laboratory

Receiving Check List

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101590
Report Date: 17-Dec-24

Carrier: Justin Colp

Received By: AMD

Completed by: Amber Dilallo
On: 29-Oct-24

Reviewed by: Ellie Hopkins
On: 12-Nov-24

Pages to follow: Chain of custody 37 Extra pages included 92

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 14.9
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

Samples were received on 10/29/24 at 1600 on ice. Cooler #1 14.9c. Cooler #2 12.1c. Additional Nitric Acid (99964) was needed upon arrival at the laboratory. pH strip #96651. - amberdilallo - 10/29/2024 4:39:36 PM

Samples were received on 10/30/24 at 1620 on ice (LTG #10). Cooler #1 = 8.1c. Cooler #2 = 9.1c. Cooler #3 = 14.1c. Cooler #4 = 16.7c. Additional Nitric Acid (99964) was needed in G153, G275, and G275D upon arrival at the laboratory. pH strip #96651. - NR/amberdilallo - 10/31/2024 8:29:27 AM

Samples were received on 10/31/24 at 1600 on ice [12.5C - LTG#9]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for G218. pH strip #96651. G220 received 10/30/24. Date and time for G213 per Brett Gillihan. - amberdilallo - 11/1/2024 10:06:52 AM

Samples were received on 11/4/24 at 1550 on ice [3.3C - LTG#5]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for G314D and G316. pH strip #96651. Cooler #1 3.3c. Cooler #2 3.5c. Cooler #3 3.5c. Cooler #4 2.1c. - JD/amberdilallo - 11/5/2024 10:41:23 AM

Samples were received on 11/06/24 at 15.45 on ice Cooler #1 3.7C, Cooler #2 4.1C, Cooler #3 5.7 - LTG9. Ph strip #96651. Additional nitric acid (99964) was needed upon arrival at the laboratory for sample G503 and G314.- lhenson - 11/7/2024 10:31:50 AM

Samples were received on 11/7/24 at 1533 on ice [5.5C - LTG#5]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for G313. pH strip #96651. - amberdilallo - 11/8/2024 9:25:52 AM

24101590 CCR-695-102

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	AP2D	WT	G				0											X					X				X					N/A
2	G1001	WT	G				2			2								X					X									24101590-001
3	G1003	WT	G				2			2								X					X				X					24101590-002
4	G101	WT	G				0															X										N/A
5	G102	WT	G				0															X						X				N/A
6	G103	WT	G				0															X						X				N/A
7	G105	WT	G				0															X						X				N/A
8	G106	WT	G				0															X						X				N/A
9	G107	WT	G				0															X										N/A
10	G108	WT	G	10-24-24	0944		0															X										N/A
11	G109	WT	G	"	1005		0															X										N/A
12	G110	WT	G	"	1033		0															X										N/A
13	G111	WT	G	"	1056		0															X										N/A
14	G119	WT	G	"	1247		0															X										N/A
15	G120	WT	G	"	1308		0															X										N/A
16	G121	WT	G	"	1330		0															X										N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0	J. Colp	10-24	1600	[signature]	10/24/24	1100	Temp in °C: 14.9	Received on Ice (Y/N): Y	Custody Sealed Cooler (Y/N): N	Samples Intact (Y/N):
							#5			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Colp

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-24-24

PH 9.16 5.1 Added HNO_3 (1:1) Temp #1 14.9°C #2 12.
to G285 2/2

24101590

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G122	WT	G	10-29-24	1413		0														X											N/A
2	G123	WT	G				0														X											N/A
3	G124	WT	G				0														X											N/A
4	G125	WT	G				0														X											N/A
5	G126	WT	G	10-29-24	1112		0														X											N/A
6	G151	WT	G				2			2																				X		24101590-003
7	G152	WT	G				2			2																				X		24101590-004
8	G153	WT	G				2			2																				X		24101590-005
9	G154	WT	G				2			2																		X		X		24101590-006
10	G155	WT	G				2			2																				X		24101590-007
11	G200	WT	G	10-29-24	1233		2			2								X						X					X			24101590-008
12	G206	WT	G				2			2								X						X					X			24101590-009
13	G206D	WT	G				2			2								X						X								24101590-010
14	G207	WT	G				0																						X			N/A
15	G208	WT	G				0																						X			N/A
16	G209	WT	G				2			2										X				X					X			24101590-011

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	Y	N	
COF-24Q4 Rev 0	J. Cole	10-29	1600	[illegible]	10/29/24	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 Cole

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 10-29-24

24101590

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G210	WT	G				0																					X			N/A
2	G211	WT	G				0																					X			N/A
3	G212	WT	G				2			2									X					X					X			24101590-012
4	G213	WT	G				2			2									X					X					X			24101590-013
5	G214	WT	G				0																					X			N/A
6	G215	WT	G				2			2									X					X					X			24101590-014
7	G216	WT	G				0																					X			N/A
8	G217	WT	G				2			2									X					X					X			24101590-015
9	G218	WT	G				2			2									X					X					X			24101590-016
10	G219	WT	G				2			2															X							24101590-017
11	G220	WT	G				2			2															X							24101590-018
12	G270	WT	G	10-29-24	1401		2			2								X		X			X		X		X	X	X			24101590-019
13	G271	WT	G				2			2										X					X		X		X			24101590-020
14	G272	WT	G				0																					X			N/A
15	G273	WT	G				2			2										X					X		X		X			24101590-021
16	G274	WT	G				0																					X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	J. Gold	10-29	1600	[signature]	10/30/24	1400				

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 Gold					
SIGNATURE of SAMPLER:	[signature]	DATE Signed (MM/DD/YY): 10-29-24				

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

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Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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	Requested Analysis Filtered (Y/N): COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G275	WT	G				2			2										X					X		X		X			24101590-022
2	G275D	WT	G				2			2										X					X		X					24101590-023
3	G276	WT	G				2			2										X					X		X		X			24101590-024
4	G277	WT	G				2			2										X					X		X		X			24101590-025
5	G278	WT	G				0																					X			N/A
6	G279	WT	G				2			2										X					X		X	X	X			24101590-026
7	G280	WT	G				2			2								X		X			X		X		X	X	X			24101590-027
8	G281	WT	G				2			2							X	X				X	X					X				24101590-028
9	G283	WT	G				2			2										X					X		X					24101590-029
10	G284	WT	G				2			2										X					X		X					24101590-030
11	G285	WT	G	10-29-24	1134		2			2										X					X		X					24101590-031
12	G301	WT	G				2			2							X					X										24101590-032
13	G302	WT	G				2			2							X					X										24101590-033
14	G303	WT	G				2			2							X					X										24101590-034
15	G305	WT	G				2			2							X					X										24101590-035
16	G306	WT	G				2			2							X					X										24101590-036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	J. Cole	10-29	1600	Shan Dillalo	10/29/24	1600				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Cole		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): 10-29-24				

24101590

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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	Requested Analysis Filtered (Y/N) Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Radium 226/228, only: Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT	G				2			2									X					X					X				24101590-053
2	G410	WT	G				2			2																			X				24101590-054
3	G411	WT	G				2			2																			X				24101590-055
4	L201	WT	G				0																X									N/A
5	NE Riser	WT	G				0														X				X							N/A
6	R104	WT	G				0																X							X			N/A
7	R201	WT	G				2			2											X				X		X			X			24101590-056
8	R205	WT	G				0																							X			N/A
9	SG-02	WT	G	10/29/24	0936		0											X	X					X	X								N/A
10	SG-03	WT	G	10/29/24	0949		0											X	X					X	X								N/A
11	T127	WT	G	10-29-24	1752		0																X										N/A
12	T128	WT	G	10-29-24	1215		0																X										N/A
13	X201	WT	G				0															X					X						N/A
14	XSG-01	WT	G	10/29/24	1443		0											X						X									N/A
15	Field Blank	WT	G				2			2								X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-057
16	G200 Duplicate	WT	G	10-29-24	1233		2			2										X						X		X		X			24101590-058

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	J. Cole	10/29/24	1600	Jordan Dillreen	10/30/24	1000				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10-29-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24101590

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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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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: 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	AP2D	WT	G				0											X					X				X					N/A
2	G1001	WT	G				2			2								X					X									24101590-001
3	G1003	WT	G				2			2								X					X				X					24101590-002
4	G101	WT	G				0															X										N/A
5	G102	WT	G				0															X							X			N/A
6	G103	WT	G	10-30-24	1206		0															X							X			N/A
7	G105	WT	G	"	1235		0															X							X			N/A
8	G106	WT	G	"	1332		0															X							X			N/A
9	G107	WT	G	"	1346		0															X										N/A
10	G108	WT	G				0															X										N/A
11	G109	WT	G				0															X										N/A
12	G110	WT	G				0															X										N/A
13	G111	WT	G				0															X										N/A
14	G119	WT	G				0															X										N/A
15	G120	WT	G				0															X										N/A
16	G121	WT	G				0															X										N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0	[signature]	10-30	1620	[signature] Davis	10/30/24	16:20	8.1	Y	N	
							~~8.1~~	#10		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cole

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-30-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
TF 6M			

Cooler #1 8.1C
Cooler #2 9.1C
Cooler #3 14.1C
Cooler #4 16.7C

LTG 10

PH ✓ 9665

Ice
LTG #5

Added HNO_3 (9964) to
2/2 G153 + G275T
1/2 G275 10/30

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G122	WT	G				0															X										N/A
2	G123	WT	G				0															X										N/A
3	G124	WT	G	10-30-24	1133		0															X										N/A
4	G125	WT	G				0															X										N/A
5	G126	WT	G				0															X										N/A
6	G151	WT	G	10-30-24	0916		2			2																					X		24101590-003
7	G152	WT	G				2			2																					X		24101590-004
8	G153	WT	G	10-30-24	1045		2			2																					X		24101590-005
9	G154	WT	G	"	1021		2			2																				X	X		24101590-006
10	G155	WT	G	"	0951		2			2																					X		24101590-007
11	G200	WT	G				2			2											X					X				X			24101590-008
12	G206	WT	G				2			2											X					X							24101590-009
13	G206D	WT	G				2			2											X												24101590-010
14	G207	WT	G				0																			X							N/A
15	G208	WT	G				0																			X							N/A
16	G209	WT	G				2			2											X					X							24101590-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		10-30	1620		10/30/24	1620				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:						
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 10-30-24					

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G210	WT	G				0																					X			N/A
2	G211	WT	G				0																					X			N/A
3	G212	WT	G				2			2									X				X					X			24101590-012
4	G213	WT	G				2			2									X				X					X			24101590-013
5	G214	WT	G				0																					X			N/A
6	G215	WT	G				2			2									X				X					X			24101590-014
7	G216	WT	G				0																					X			N/A
8	G217	WT	G				2			2									X				X					X			24101590-015
9	G218	WT	G				2			2									X				X					X			24101590-016
10	G219	WT	G				2			2															X						24101590-017
11	G220	WT	G	10-30-24	1308		2			2															X						24101590-018
12	G270	WT	G				2			2								X		X			X		X		X	X	X		24101590-019
13	G271	WT	G				2			2										X					X				X			24101590-020
14	G272	WT	G				0																						X			N/A
15	G273	WT	G				2			2										X					X				X			24101590-021
16	G274	WT	G	10-30-24	918		0																						X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q4 Rev 0		10-30	1620		10/30/24	16:20

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:

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 10-30-24

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 7

Section A Required Client Information:

Company:	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
	Jason Grieve: Jason.Grieve@vistracorp.com
	Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G275	WT	G	10-30-24	1004		2			2											X				X		X		X			24101590-022
2	G275D	WT	G	10-30-24	942		2			2											X				X		X					24101590-023
3	G276	WT	G	10-30-24	DRY		2			2											X				X		X		X			24101590-024
4	G277	WT	G				2			2											X				X		X		X			24101590-025
5	G278	WT	G	10-30-24	1059		0																					X			N/A
6	G279	WT	G	10-30-24	1121		2			2											X				X		X	X	X			24101590-026
7	G280	WT	G	10-30-24	1214		2			2								X			X			X			X	X	X			24101590-027
8	G281	WT	G	10-30-24	1425		2			2							X	X				X	X					X				24101590-028
9	G283	WT	G				2			2											X				X		X					24101590-029
10	G284	WT	G				2			2											X				X		X					24101590-030
11	G285	WT	G				2			2											X				X		X					24101590-031
12	G301	WT	G				2			2							X					X										24101590-032
13	G302	WT	G				2			2							X					X										24101590-033
14	G303	WT	G				2			2							X					X										24101590-034
15	G305	WT	G				2			2							X					X										24101590-035
16	G306	WT	G				2			2							X					X										24101590-036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		10-30	1630		10/30/24	16:30				
							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 Cobb

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 10-30-24

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
																Requested Analysis Filtered (Y/N)																	
1	G407	WT	G				2			2									X					X					X				24101590-053
2	G410	WT	G				2			2																			X				24101590-054
3	G411	WT	G				2			2																			X				24101590-055
4	L201	WT	G				0															X											N/A
5	NE Riser	WT	G				0													X					X								N/A
6	R104	WT	G	10-30-24	1302		0															X								X			N/A
7	R201	WT	G	10-30-24	1410		2			2										X					X		X			X			24101590-056
8	R205	WT	G				0																							X			N/A
9	SG-02	WT	G				0											X	X				X	X									N/A
10	SG-03	WT	G				0											X	X				X	X									N/A
11	T127	WT	G				0															X											N/A
12	T128	WT	G				0															X											N/A
13	X201	WT	G				0														X					X							N/A
14	XSG-01	WT	G				0											X					X										N/A
15	Field Blank	WT	G				2			2								X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-057
16	G200 Duplicate	WT	G				2			2										X					X					X			24101590-058

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0	[signature]	10-30	1620	Samantha Davies	10/30/24	16:20	

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): 10-30-24				

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY: NPDES, GROUND WATER, DRINKING WATER, UST, RCRA, OTHER

Site Location 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

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G217 Duplicate	WT	G				2			2									X					X					X			24101590-059
2	G301 Duplicate	WT	G				2			2							X					X										24101590-060
3	R201 Duplicate	WT	G	10-30-24	1410		2			2									X						X		X		X			24101590-061
4	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-062
5	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-063
6	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-064
7																																
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0		10-30	1620		10/30/24	16:20	

SAMPLE CONDITIONS: Temp in °C; Received on Ice (Y/N) Y / N; Custody Sealed Cooler (Y/N); Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cox

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-30-24

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Radium 226/228, only: Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G				0												X				X				X					N/A
2	G1001	WT	G				2			2									X				X									24101590-001
3	G1003	WT	G				2			2									X				X				X					24101590-002
4	G101	WT	G	10-31-24	0936		0																X									N/A
5	G102	WT	G	10-31-24	0959		0																X						X			N/A
6	G103	WT	G				0																X						X			N/A
7	G105	WT	G				0																X						X			N/A
8	G106	WT	G				0																X						X			N/A
9	G107	WT	G				0																X									N/A
10	G108	WT	G				0																X									N/A
11	G109	WT	G				0																X									N/A
12	G110	WT	G				0																X									N/A
13	G111	WT	G				0																X									N/A
14	G119	WT	G				0																X									N/A
15	G120	WT	G				0																X									N/A
16	G121	WT	G				0																X									N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Y	N	
COF-24Q4 Rev 0		10-31	1600		10/31/24	1600	12.5			
							#9			

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	Justin Cobb		Received on Ice (Y/N)	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10-31-24	Custody Sealed Cooler (Y/N)	
			Samples Intact (Y/N)	

added HNO_3 (preserved) to G218 1/2. TE
pH v request on ~~10~~ 11/1/24

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G122	WT	G				0															X										N/A
2	G123	WT	G				0															X										N/A
3	G124	WT	G				0															X										N/A
4	G125	WT	G				0															X										N/A
5	G126	WT	G				0															X										N/A
6	G151	WT	G				2			2																				X		24101590-003
7	G152	WT	G				2			2																				X		24101590-004
8	G153	WT	G				2			2																				X		24101590-005
9	G154	WT	G				2			2																		X		X		24101590-006
10	G155	WT	G				2			2																				X		24101590-007
11	G200	WT	G				2			2										X					X		X			X		24101590-008
12	G206	WT	G	10-31-24	1412		2			2										X					X		X					24101590-009
13	G206D	WT	G	10-31-24	1352		2			2										X					X							24101590-010
14	G207	WT	G				0																					X				N/A
15	G208	WT	G	10-31-24	1320		0																					X				N/A
16	G209	WT	G	10-31-24	1304		2			2										X					X			X				24101590-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0		10-31	1600		10/31/24	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:						
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 10-31-24					

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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 #	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G210	WT	G	10-31-24	1241		0																					X			N/A
2	G211	WT	G	10-31-24	1206		0																					X			N/A
3	G212	WT	G	10-31-24	1105		2			2								X					X					X			24101590-012
4	G213	WT	G	10-31-24	1137		2			2								X					X					X			24101590-013
5	G214	WT	G	10-31-24	1202		0																					X			N/A
6	G215	WT	G		1141		2			2								X					X					X			24101590-014
7	G216	WT	G		1116		0																					X			N/A
8	G217	WT	G		1053		2			2								X					X					X			24101590-015
9	G218	WT	G		1025		2			2								X					X					X			24101590-016
10	G219	WT	G	10-31-24	1019		2			2															X						24101590-017
11	G220	WT	G	10-31-24	1308		2			2															X						24101590-018
12	G270	WT	G				2			2							X		X			X		X		X	X	X			24101590-019
13	G271	WT	G	10-31-24	1140		2			2									X					X		X		X			24101590-020
14	G272	WT	G	10-31-24	1354		0																					X			N/A
15	G273	WT	G	10-31-24	1324		2			2									X					X		X		X			24101590-021
16	G274	WT	G				0																					X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		10-31	1600		10/31/24	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 Gob					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 10-31-24				

G220 received 10/30/24.
DC tel time for G213
per Brett Gilliman. JRM TE 11/1/24

24101590

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G275	WT	G				2			2										X					X		X			24101590-022
2	G275D	WT	G				2			2										X					X					24101590-023
3	G276	WT	G				2			2										X					X		X			24101590-024
4	G277	WT	G				2			2										X					X		X			24101590-025
5	G278	WT	G				0																				X			N/A
6	G279	WT	G				2			2										X					X	X	X			24101590-026
7	G280	WT	G				2			2							X			X			X		X	X	X			24101590-027
8	G281	WT	G				2			2						X	X					X	X				X			24101590-028
9	G283	WT	G				2			2										X					X					24101590-029
10	G284	WT	G	10-31-24	1235		2			2										X					X					24101590-030
11	G285	WT	G				2			2										X					X					24101590-031
12	G301	WT	G				2			2						X						X								24101590-032
13	G302	WT	G				2			2						X						X								24101590-033
14	G303	WT	G				2			2						X						X								24101590-034
15	G305	WT	G				2			2						X						X								24101590-035
16	G306	WT	G				2			2						X						X								24101590-036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		10-31	1600		10/31/24	1600				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brett Gillihan

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-31-24

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 5 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Radium 226/228, only: Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G				2			2							X					X										24101590-037
2	G307D	WT	G				2			2							X					X										24101590-038
3	G308	WT	G				2			2							X					X										24101590-039
4	G310	WT	G				2			2							X					X										24101590-040
5	G312	WT	G				2			2							X					X										24101590-041
6	G313	WT	G				2			2							X					X										24101590-042
7	G314	WT	G				2			2							X					X										24101590-043
8	G314D	WT	G				2			2							X					X										24101590-044
9	G315	WT	G				2			2							X					X										24101590-045
10	G316	WT	G				2			2							X					X										24101590-046
11	G401	WT	G				2			2								X					X					X				24101590-047
12	G402	WT	G				2			2								X					X					X				24101590-048
13	G403	WT	G				2			2								X					X					X				24101590-049
14	G404	WT	G				2			2								X					X					X				24101590-050
15	G405	WT	G				2			2								X					X					X				24101590-051
16	G406	WT	G				2			2								X					X					X				24101590-052

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0		10-31	1600		10/31/24	1600	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: NA

SIGNATURE of SAMPLER: NA

DATE Signed (MM/DD/YY):

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24101590

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test ↓ COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	G407	WT	G				2			2								X					X					X				24101590-053
2	G410	WT	G				2			2																		X				24101590-054
3	G411	WT	G				2			2																		X				24101590-055
4	L201	WT	G				0															X										N/A
5	NE Riser	WT	G				0												X					X								N/A
6	R104	WT	G				0															X							X			N/A
7	R201	WT	G				2			2									X					X		X			X			24101590-056
8	R205	WT	G				0																						X			N/A
9	SG-02	WT	G				0										X	X					X	X								N/A
10	SG-03	WT	G				0										X	X					X	X								N/A
11	T127	WT	G				0														X											N/A
12	T128	WT	G				0														X											N/A
13	X201	WT	G				0													X					X		X					N/A
14	XSG-01	WT	G				0										X						X									N/A
15	Field Blank	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X			24101590-057
16	G200 Duplicate	WT	G				2			2									X					X		X			X				24101590-058

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0		10-31	1600				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: NA

SIGNATURE of SAMPLER: NA DATE Signed (MM/DD/YY):

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24101590

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940108781-003	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G217 Duplicate	WT	G	10-31-24	1053		2			2									X					X				X			24101590-059
2	G301 Duplicate	WT	G				2			2							X					X									24101590-060
3	R201 Duplicate	WT	G				2			2									X						X		X		X			24101590-061
4	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			24101590-062
5	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			24101590-063
6	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			24101590-064
7																															
8																															
9																															
10																															
11																															
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		10-31	1600		10/31/24	1600				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Coil		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): 10-31-24				

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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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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	Requested Analysis Filtered (Y/N): Analysis Test (Y/N)	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	AP2D	WT	G				0											X					X				X					N/A
2	G1001	WT	G				2			2								X					X									24101590-001
3	G1003	WT	G				2			2								X					X				X					24101590-002
4	G101	WT	G				0															X										N/A
5	G102	WT	G				0															X							X			N/A
6	G103	WT	G				0															X							X			N/A
7	G105	WT	G				0															X							X			N/A
8	G106	WT	G				0															X							X			N/A
9	G107	WT	G				0															X										N/A
10	G108	WT	G				0															X										N/A
11	G109	WT	G				0															X										N/A
12	G110	WT	G				0															X										N/A
13	G111	WT	G				0															X										N/A
14	G119	WT	G				0															X										N/A
15	G120	WT	G				0															X										N/A
16	G121	WT	G				0															X										N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0	[illegible]	11-4	1550	Jackie Deweese	11-4-24	1550	3.3 #5	Y	N	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: NA

SIGNATURE of SAMPLER: NA DATE Signed (MM/DD/YY):

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Cooler #1 3.3c LTC5
Cooler #2 3.5c
Cooler #3 3.5c
Cooler #4 2.1c sm 11/5/24

Added HNO3 (99964) to Samples G314D 2/2, G316 2/2 PH 9665I

JD 11/5/24

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY			
NPDES	GROUND WATER	DRINKING WATER	
UST	RCRA	OTHER	
Site Location STATE:	IL		

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
				Requested Analysis Filtered (Y/N)																												Radium 226/228, only
1	G122	WT	G				0														X											N/A
2	G123	WT	G	11/4/24	1339		0														X											N/A
3	G124	WT	G				0														X											N/A
4	G125	WT	G				0														X											N/A
5	G126	WT	G				0														X											N/A
6	G151	WT	G				2			2																				X		24101590-003
7	G152	WT	G				2			2																				X		24101590-004
8	G153	WT	G				2			2																				X		24101590-005
9	G154	WT	G				2			2																		X		X		24101590-006
10	G155	WT	G				2			2																				X		24101590-007
11	G200	WT	G				2			2									X					X		X			X			24101590-008
12	G206	WT	G				2			2									X					X					X			24101590-009
13	G206D	WT	G				2			2									X					X								24101590-010
14	G207	WT	G	11/4/24	1225		0																						X			N/A
15	G208	WT	G				0																						X			N/A
16	G209	WT	G				2			2									X					X					X			24101590-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		11-4	1889	Jodi Davis	11-4-24	15:50				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Brett Gillihan		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): 11-4-24				

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G210		WT	G				0																				X			N/A
2	G211		WT	G				0																				X			N/A
3	G212		WT	G				2			2								X					X				X			24101590-012
4	G213		WT	G				2			2								X					X				X			24101590-013
5	G214		WT	G				0																				X			N/A
6	G215		WT	G				2			2								X					X				X			24101590-014
7	G216		WT	G				0																				X			N/A
8	G217		WT	G				2			2								X					X				X			24101590-015
9	G218		WT	G				2			2								X					X				X			24101590-016
10	G219		WT	G				2			2														X						24101590-017
11	G220		WT	G				2			2														X						24101590-018
12	G270		WT	G				2			2							X		X				X		X	X	X	X			24101590-019
13	G271		WT	G				2			2									X				X		X		X				24101590-020
14	G272		WT	G				0																				X			N/A
15	G273		WT	G				2			2									X				X		X		X				24101590-021
16	G274		WT	G				0																				X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q4 Rev 0	[illegible]	11-4	1550	Jackie Davis	11-4-24	15:50

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: NA

SIGNATURE of SAMPLER: NA

DATE Signed (MM/DD/YY):

24101590

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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
SOLID/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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																										
1	G275	WT	G				2			2										X					X		X		X			24101590-022
2	G275D	WT	G				2			2										X					X		X					24101590-023
3	G276	WT	G	11/2/24	1026		2			2										X					X		X		X			24101590-024
4	G277	WT	G				2			2										X					X		X		X			24101590-025
5	G278	WT	G				0																					X			N/A
6	G279	WT	G				2			2										X					X		X	X	X			24101590-026
7	G280	WT	G				2			2								X		X			X		X		X	X	X			24101590-027
8	G281	WT	G				2			2							X	X				X	X					X				24101590-028
9	G283	WT	G				2			2										X					X		X					24101590-029
10	G284	WT	G				2			2										X					X		X					24101590-030
11	G285	WT	G				2			2										X					X		X					24101590-031
12	G301	WT	G				2			2							X					X										24101590-032
13	G302	WT	G				2			2							X					X										24101590-033
14	G303	WT	G				2			2							X					X										24101590-034
15	G305	WT	G				2			2							X					X										24101590-035
16	G306	WT	G	11-4-24	1019		2			2							X					X										24101590-036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		11-4	1550	Jackie Davis	11-4-24	15:50				

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-4-24				

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
								Requested Analysis Filtered (Y/N)																									
1	G307	WT	G	11-4-24	1119		2			2							X					X										24101590-037
2	G307D	WT	G	11-4-24	1056		2			2							X					X										24101590-038
3	G308	WT	G	11-4-24	1156		2			2							X					X										24101590-039
4	G310	WT	G				2			2							X					X										24101590-040
5	G312	WT	G				2			2							X					X										24101590-041
6	G313	WT	G				2			2							X					X										24101590-042
7	G314	WT	G	11-4-24	1350		2			2							X					X										24101590-043
8	G314D	WT	G				2			2							X					X										24101590-044
9	G315	WT	G	11-4-24	1314		2			2							X					X										24101590-045
10	G316	WT	G	11-4-24	1236		2			2							X					X										24101590-046
11	G401	WT	G				2			2								X					X					X				24101590-047
12	G402	WT	G	11-4-24	1157		2			2								X					X					X				24101590-048
13	G403	WT	G		1106		2			2								X					X					X				24101590-049
14	G404	WT	G		1040		2			2								X					X					X				24101590-050
15	G405	WT	G		1021		2			2								X					X					X				24101590-051
16	G406	WT	G	↓	1246		2			2								X					X					X				24101590-052

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		11-4	1559		11-4-24	15:50				

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):	11-4-24	Temp in °C	Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)

Received G314D, not G314. SM 11/5/24

24101590

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G407	WT	G	11-4-24	1340		2			2									X				X					X					24101590-053
2	G410	WT	G				2			2																			X				24101590-054
3	G411	WT	G				2			2																			X				24101590-055
4	L201	WT	G				0															X										N/A
5	NE Riser	WT	G				0													X					X							N/A
6	R104	WT	G				0															X							X			N/A
7	R201	WT	G				2			2										X					X		X		X			24101590-056
8	R205	WT	G				0																						X			N/A
9	SG-02	WT	G				0											X	X				X	X								N/A
10	SG-03	WT	G				0											X	X				X	X								N/A
11	T127	WT	G				0															X										N/A
12	T128	WT	G				0															X										N/A
13	X201	WT	G				0														X				X		X					N/A
14	XSG-01	WT	G				0											X					X									N/A
15	Field Blank	WT	G				2			2								X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-057
16	G200 Duplicate	WT	G				2			2										X					X				X				24101590-058

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	[signature]	11-4	1550	Jackie Davis	11-4-24	15:50				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cop

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11-4-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24104590

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

Requested Analysis Filtered (Y/N)

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Radium 226/228, only: Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G217 Duplicate	WT	G				2			2									X					X				X			24101590-059
2	G301 Duplicate	WT	G				2			2							X					X									24101590-060
3	R201 Duplicate	WT	G				2			2									X						X		X		X			24101590-061
4	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			24101590-062
5	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			24101590-063
6	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X			24101590-064
7																																
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0	[signature]	11-4	15:50	[signature]	11/4/24	15:50	

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N) Y	Received on Ice (Y/N) N	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	NA						
SIGNATURE of SAMPLER:	NA	DATE Signed (MM/DD/YY):					

24101590

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	AP2D	WT	G				0											X					X				X				N/A
2	G1001	WT	G				2			2								X					X								24101590-001
3	G1003	WT	G				2			2								X					X				X				24101590-002
4	G101	WT	G				0														X										N/A
5	G102	WT	G				0														X							X			N/A
6	G103	WT	G				0														X							X			N/A
7	G105	WT	G				0														X							X			N/A
8	G106	WT	G				0														X							X			N/A
9	G107	WT	G				0														X										N/A
10	G108	WT	G				0														X										N/A
11	G109	WT	G				0														X										N/A
12	G110	WT	G				0														X										N/A
13	G111	WT	G				0														X										N/A
14	G119	WT	G				0														X										N/A
15	G120	WT	G				0														X										N/A
16	G121	WT	G				0														X										N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	Z	
COF-24Q4 Rev 0		11-6	1545		11/6	1545				
							3.7	Y		

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	NA					
SIGNATURE of SAMPLER:	NA	DATE Signed (MM/DD/YY):	CTG 9			

PM 96651
added H1003(99964) to G303 and G314
LH 11/7/24

Cooler #1 3.7
#2 4.1
#3 5.7

CHAIN-OF-CUSTODY / Analytical Request Document

24101590

COC 29702

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G122	WT	G				0														X										N/A
2	G123	WT	G				0														X										N/A
3	G124	WT	G				0														X										N/A
4	G125	WT	G	11/6/24	1022		0														X										N/A
5	G126	WT	G				0														X										N/A
6	G151	WT	G				2			2																			X		24101590-003
7	G152	WT	G	11/6/24	1130		2			2																			X		24101590-004
8	G153	WT	G				2			2																			X		24101590-005
9	G154	WT	G				2			2																	X		X		24101590-006
10	G155	WT	G				2			2																			X		24101590-007
11	G200	WT	G				2			2									X					X		X			X		24101590-008
12	G206	WT	G				2			2									X					X		X					24101590-009
13	G206D	WT	G				2			2									X					X							24101590-010
14	G207	WT	G				0																			X					N/A
15	G208	WT	G				0																			X					N/A
16	G209	WT	G				2			2									X					X		X					24101590-011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Y	N	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
COF-24Q4 Rev 0		11-6	1545		11/6	1545						

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Tracy Carrel
SIGNATURE of SAMPLER:	Tracy Carrel
DATE Signed (MM/DD/YY):	11/6/24

CHAIN-OF-CUSTODY / Analytical Request Document

24101590
COC 257102

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Vistra Corp-Coffeen	Report To:	Brian Voelker	Attention:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies; samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G210	WT	G				0																						X			N/A
2	G211	WT	G				0																						X			N/A
3	G212	WT	G				2			2										X				X					X			24101590-012
4	G213	WT	G				2			2										X				X					X			24101590-013
5	G214	WT	G				0																						X			N/A
6	G215	WT	G				2			2										X				X					X			24101590-014
7	G216	WT	G				0																						X			N/A
8	G217	WT	G				2			2										X				X					X			24101590-015
9	G218	WT	G				2			2										X				X					X			24101590-016
10	G219	WT	G				2			2																X						24101590-017
11	G220	WT	G				2			2																X						24101590-018
12	G270	WT	G				2			2									X		X			X		X		X	X	X			24101590-019
13	G271	WT	G				2			2											X					X		X		X			24101590-020
14	G272	WT	G				0																						X			N/A
15	G273	WT	G				2			2											X					X		X		X			24101590-021
16	G274	WT	G				0																						X			N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		11-6	1545		11/6	1545				

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:	NA					
SIGNATURE of SAMPLER:	NA	DATE Signed (MM/DD/YY):				

CHAIN-OF-CUSTODY / Analytical Request Document

24101590

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G275	WT	G				2			2										X					X		X		X			24101590-022
2	G275D	WT	G				2			2										X					X		X					24101590-023
3	G276	WT	G				2			2										X					X		X		X			24101590-024
4	G277	WT	G				2			2										X					X		X		X			24101590-025
5	G278	WT	G				0																					X			N/A
6	G279	WT	G				2			2										X					X		X	X	X			24101590-026
7	G280	WT	G				2			2								X		X			X		X		X	X	X			24101590-027
8	G281	WT	G				2			2							X	X				X	X					X				24101590-028
9	G283	WT	G				2			2										X					X		X					24101590-029
10	G284	WT	G				2			2										X					X		X					24101590-030
11	G285	WT	G				2			2										X					X		X					24101590-031
12	G301	WT	G				2			2							X					X										24101590-032
13	G302	WT	G	11-6-24	1158		2			2							X					X										24101590-033
14	G303	WT	G	11-6-24	1348		2			2							X					X										24101590-034
15	G305	WT	G	11-6-24	1320		2			2							X					X										24101590-035
16	G306	WT	G				2			2							X					X										24101590-036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0		11-6	1545		11/6	1545	

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 Gip			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-6-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24101590

COF-257-102

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 5 of 7

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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	Requested Analysis Filtered (Y/N): COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G307	WT	G				2			2							X					X										24101590-037
2	G307D	WT	G				2			2							X					X										24101590-038
3	G308	WT	G				2			2							X					X										24101590-039
4	G310	WT	G	11-6-24	1121		2			2							X					X										24101590-040
5	G312	WT	G	11-6-24	1252		2			2							X					X										24101590-041
6	G313	WT	G				2			2							X					X										24101590-042
7	G314	WT	G	11-6-24	1411		2			2							X					X										24101590-043
8	G314D	WT	G				2			2							X					X										24101590-044
9	G315	WT	G				2			2							X					X										24101590-045
10	G316	WT	G				2			2							X					X										24101590-046
11	G401	WT	G	11-6-24	1036		2			2								X					X					X				24101590-047
12	G402	WT	G				2			2								X					X					X				24101590-048
13	G403	WT	G				2			2								X					X					X				24101590-049
14	G404	WT	G				2			2								X					X					X				24101590-050
15	G405	WT	G				2			2								X					X					X				24101590-051
16	G406	WT	G				2			2								X					X					X				24101590-052

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		11-6	1545		11/6	1521				

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Justin Cole		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): 11-6-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24101590

COF-257-102

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G407	WT	G				2			2								X					X					X				24101590-053
2	G410	WT	G	11-6-24	0959		2			2																		X				24101590-054
3	G411	WT	G	11-6-24	0922		2			2																		X				24101590-055
4	L201	WT	G				0														X											N/A
5	NE Riser	WT	G				0												X					X								N/A
6	R104	WT	G				0														X								X			N/A
7	R201	WT	G				2			2									X					X		X			X			24101590-056
8	R205	WT	G	11/6/24	1253		0																						X			N/A
9	SG-02	WT	G				0										X	X				X	X									N/A
10	SG-03	WT	G				0										X	X				X	X									N/A
11	T127	WT	G				0														X											N/A
12	T128	WT	G				0														X											N/A
13	X201	WT	G				0													X					X		X					N/A
14	XSG-01	WT	G				0										X					X										N/A
15	Field Blank	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X			24101590-057
16	G200 Duplicate	WT	G				2			2									X					X		X			X				24101590-058

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q4 Rev 0		11-6	1545		11/6	1545

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: [signature] DATE Signed (MM/DD/YY): 11-6-24

CHAIN-OF-CUSTODY / Analytical Request Document

24101590
COF-257-102

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY			
NPDES	GROUND WATER	DRINKING WATER	
UST	RCRA	OTHER	
Site Location 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G217 Duplicate	WT	G				2			2									X					X				X			24101590-059
2	G301 Duplicate	WT	G				2			2							X					X									24101590-060
3	R201 Duplicate	WT	G				2			2									X						X		X		X		24101590-061
4	Equipment Blank 1	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	24101590-062
5	Equipment Blank 2	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	24101590-063
6	Equipment Blank 3	WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	24101590-064
7																															
8																															
9																															
10																															
11																															
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0		11-6	1545		11/6	1545				

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:	NA					
SIGNATURE of SAMPLER:	NA	DATE Signed (MM/DD/YY):				

24101590

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location STATE: IL

Requested Analysis Filtered (Y/N)

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	AP2D	WT	G	11-7-24	1245		0											X					X				X					N/A
2	G1001	WT	G		1110		2			2								X					X									24101590-001
3	G1003	WT	G		DRY		2			2								X					X				X					24101590-002
4	G101	WT	G				0															X										N/A
5	G102	WT	G				0															X							X			N/A
6	G103	WT	G				0															X							X			N/A
7	G105	WT	G				0															X							X			N/A
8	G106	WT	G				0															X							X			N/A
9	G107	WT	G				0															X										N/A
10	G108	WT	G				0															X										N/A
11	G109	WT	G				0															X										N/A
12	G110	WT	G				0															X										N/A
13	G111	WT	G				0															X										N/A
14	G119	WT	G				0															X										N/A
15	G120	WT	G				0															X										N/A
16	G121	WT	G				0															X										N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	Brian Voelker	11/7/24	1533	Jackie Davis	11/7/24	15:33	5.5			
							#5			

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Brett Gillihan					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-7-24				

pH ✓ 9Q1657
added HNO3 (999164) 1/2 to G313. GM 11/8/24

24101590

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: Brian Voelker
Address: 134 CIPS Lane	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffeen, IL 62017	Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A
Email To: Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:
Phone: (217) 753-8911 Fax:	Project Name: COF 2024 GW	Project Manager:
Requested Due Date/TAT: 10 day	Project Number: 1940106781-003	Profile #:

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Site Location STATE: IL

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N: Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G275	WT	G				2			2										X					X		X		X			24101590-022
2	G275D	WT	G				2			2										X					X		X					24101590-023
3	G276	WT	G				2			2										X					X		X		X			24101590-024
4	G277	WT	G		DRY		2			2										X					X		X		X			24101590-025
5	G278	WT	G				0																					X			N/A
6	G279	WT	G				2			2										X					X		X	X	X			24101590-026
7	G280	WT	G				2			2								X		X			X		X		X	X	X			24101590-027
8	G281	WT	G				2			2							X	X				X	X					X				24101590-028
9	G283	WT	G	11-7-24	1211		2			2										X					X		X					24101590-029
10	G284	WT	G				2			2										X					X		X					24101590-030
11	G285	WT	G				2			2										X					X		X					24101590-031
12	G301	WT	G	11/7/24	1318		2			2							X						X									24101590-032
13	G302	WT	G				2			2							X						X									24101590-033
14	G303	WT	G				2			2							X						X									24101590-034
15	G305	WT	G				2			2							X						X									24101590-035
16	G306	WT	G				2			2							X						X									24101590-036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
COF-24Q4 Rev 0	Jacy Carroll	11/7/24	1535	Jackie Davis	11/7/24	15:33

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: Brett Gilliham

SIGNATURE of SAMPLER: Brett Gilliham

DATE Signed (MM/DD/YY): 11-7-24

24101590

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 5 of 7

Section A Required Client Information:

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
	Jason Grieve: Jason.Grieve@vistracorp.com
	Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940108781-003

Section C Invoice Information:

Attention:	Brian Voelker
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

Site Location 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Radium 226/228, only: Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G				2			2							X					X										24101590-037
2	G307D	WT	G				2			2							X					X										24101590-038
3	G308	WT	G				2			2							X					X										24101590-039
4	G310	WT	G				2			2							X					X										24101590-040
5	G312	WT	G				2			2							X					X										24101590-041
6	G313	WT	G	11-7-24	1140		2			2							X					X										24101590-042
7	G314	WT	G				2			2							X					X										24101590-043
8	G314D	WT	G				2			2							X					X										24101590-044
9	G315	WT	G				2			2							X					X										24101590-045
10	G316	WT	G				2			2							X					X										24101590-046
11	G401	WT	G				2			2								X					X					X				24101590-047
12	G402	WT	G				2			2								X					X					X				24101590-048
13	G403	WT	G				2			2								X					X					X				24101590-049
14	G404	WT	G				2			2								X					X					X				24101590-050
15	G405	WT	G				2			2								X					X					X				24101590-051
16	G406	WT	G				2			2								X					X					X				24101590-052

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0	Jim Gosnell	11/7/24	1533	Joanie Davis	11/7/24	15:33	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Justin Cox

SIGNATURE of SAMPLER: Justin Cox DATE Signed (MM/DD/YY): 11-7-24

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

24101590

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax:	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

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

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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only: Project No./ Lab I.D.
1	G407	WT	G				2			2								X					X					X				24101590-053
2	G410	WT	G				2			2																		X				24101590-054
3	G411	WT	G				2			2																		X				24101590-055
4	L201	WT	G	11-7-24	1722		0														X										N/A
5	NE Riser	WT	G	11-7-24	1047		0												X					X								N/A
6	R104	WT	G				0														X							X				N/A
7	R201	WT	G				2			2									X					X		X			X			24101590-056
8	R205	WT	G				0																					X				N/A
9	SG-02	WT	G				0										X	X				X	X									N/A
10	SG-03	WT	G				0										X	X				X	X									N/A
11	T127	WT	G				0														X											N/A
12	T128	WT	G				0														X											N/A
13	* X201 Filter in lab	WT	G	11-7-24	1058		0													X					X		X					N/A
14	XSG-01	WT	G				0										X					X										N/A
15	Field Blank	WT	G	11-7-24	1255		2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X			24101590-057
16	G200 Duplicate	WT	G				2			2									X					X		X			X				24101590-058

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0	Justin Carroll	11/7/24	1533	Jackie Davis	11/7/24	15:33	

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 Carroll			Y	N	
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 11-7-24				

CHAIN-OF-CUSTODY / Analytical Request Document

24101590

COF-257-102

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:	Brian Voelker
Address:	134 CIPS Lane	Copy To:	Sam Davies: samantha.davies@vistracorp.com	Company Name:	Vistra Corp
	Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address:	see Section A
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:		Quote Reference:	
Phone:	(217) 753-8911 Fax	Project Name:	COF 2024 GW	Project Manager:	
Requested Due Date/TAT:	10 day	Project Number:	1940106781-003	Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location 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)	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Radium 226/228, only Project No./ Lab I.D.
1	G217 Duplicate	WT	G				2			2									X					X				X			24101590-059
2	G301 Duplicate	WT	G	11/7/24	1318		2			2							X					X									24101590-060
3	R201 Duplicate	WT	G				2			2									X						X		X		X			24101590-061
4	Equipment Blank 1	WT	G		N/A		2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-062
5	Equipment Blank 2	WT	G		N/A		2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-063
6	Equipment Blank 3	WT	G		N/A		2			2							X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-064
7																																
8																																
9																																
10																																
11																																
12																																
13																																
14																																
15																																
16																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Y	N	
COF-24Q4 Rev 0	Tracy Carroll	11/7/24	153	Jackie Davis	11/7/24	15:33	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Tracy Carroll
SIGNATURE of SAMPLER:	Tracy Carroll
DATE Signed (MM/DD/YY):	11/7/24

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 12/11/2024 4:25:26 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24101590

JOB NUMBER

160-56264-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

myEOL

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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12/11/2024 4:25:26 PM

Authorized for release by
Erika Smith, Project Manager
erika.smith@et.eurofinsus.com
(314)298-8566

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CASE NARRATIVE

Client: TekLab, Inc

Project: 24101590

Report Number: 160-56264-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Receipt
The samples were received on 11/14/2024 12:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 6 coolers at receipt time were 19.8°C, 19.8°C, 20.0°C, 20.0°C, 20.0°C and 20.2°C.

Receipt Exceptions
Due to the high volume of samples received, the job was split into three parts with staggered due dates.

Method 903.0 - Radium-226 (GFPC)
Samples 24101590-001 (160-56264-1), 24101590-003 (160-56264-2), 24101590-004 (160-56264-3), 24101590-005 (160-56264-4), 24101590-006 (160-56264-5), 24101590-007 (160-56264-6), 24101590-008 (160-56264-7), 24101590-009 (160-56264-8), 24101590-010 (160-56264-9), 24101590-011 (160-56264-10), 24101590-012 (160-56264-11), 24101590-013 (160-56264-12), 24101590-014 (160-56264-13), 24101590-015 (160-56264-14), 24101590-016 (160-56264-15), 24101590-017 (160-56264-16), 24101590-018 (160-56264-17), 24101590-019 (160-56264-18), 24101590-020 (160-56264-19) and 24101590-021 (160-56264-20) were analyzed for Radium-226 (GFPC). The samples were prepared on 11/18/2024 and analyzed on 12/10/2024.

Method 904.0 - Radium-228 (GFPC)

Job ID: 160-56264-1 (Continued) Eurofins St. Louis

Samples 24101590-001 (160-56264-1), 24101590-003 (160-56264-2), 24101590-004 (160-56264-3), 24101590-005 (160-56264-4), 24101590-006 (160-56264-5), 24101590-007 (160-56264-6), 24101590-008 (160-56264-7), 24101590-009 (160-56264-8), 24101590-010 (160-56264-9), 24101590-011 (160-56264-10), 24101590-012 (160-56264-11), 24101590-013 (160-56264-12), 24101590-014 (160-56264-13), 24101590-015 (160-56264-14), 24101590-016 (160-56264-15), 24101590-017 (160-56264-16), 24101590-018 (160-56264-17), 24101590-019 (160-56264-18), 24101590-020 (160-56264-19) and 24101590-021 (160-56264-20) were analyzed for Radium-228 (GFPC). The samples were prepared on 11/18/2024 and analyzed on 12/2/2024.

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24101590-004 (160-56264-3), 24101590-005 (160-56264-4), 24101590-006 (160-56264-5), 24101590-007 (160-56264-6), 24101590-011 (160-56264-10) and 24101590-016 (160-56264-15). Analytical results are reported with the detection limit achieved.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24101590-001 (160-56264-1), 24101590-006 (160-56264-5), 24101590-008 (160-56264-7), 24101590-009 (160-56264-8), 24101590-010 (160-56264-9), 24101590-011 (160-56264-10), 24101590-012 (160-56264-11), 24101590-013 (160-56264-12), 24101590-014 (160-56264-13), 24101590-015 (160-56264-14), 24101590-016 (160-56264-15), 24101590-017 (160-56264-16), 24101590-018 (160-56264-17), 24101590-019 (160-56264-18), 24101590-020 (160-56264-19) and 24101590-021 (160-56264-20) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/6/2024 and 12/11/2024.

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: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

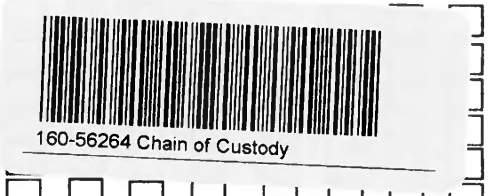
Project# 24101590

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37245
Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24101590-001	11/7/24 1118	HNO3	Groundwater	☑	☐	☐
			HNO3	Groundwater	☑	☐	☐
	24101590-003	10/30/24 0916	HNO3	Groundwater	☐	☑	☑
	24101590-004	11/6/24 1130	HNO3	Groundwater	☐	☑	☑
	24101590-005	10/30/24 1045	HNO3	Groundwater	☐	☑	☑
	24101590-006	10/30/24 1021	HNO3	Groundwater	☑	☑	☑
	24101590-007	10/30/24 0951	HNO3	Groundwater	☐	☑	☑
	24101590-008	10/29/24 1233	HNO3	Groundwater	☑	☐	☐
	24101590-009	10/31/24 1412	HNO3	Groundwater	☑	☐	☐
	24101590-010	10/31/24 1352	HNO3	Groundwater	☑	☐	☐
	24101590-011	10/31/24 1304	HNO3	Groundwater	☑	☐	☐



*Relinquished By	Date/Time	Received By	Date/Time
	11/14/24 1000		11/14/24 1000
	11/14/24 1230	Cheyenne Forrest	11/14/24 1230

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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: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24101590

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37245 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24101590-012	10/31/24 1105	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-013	10/31/24 1137	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-014	10/31/24 1141	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-015	10/31/24 1053	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-016	10/31/24 1025	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-017	10/31/24 1019	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-018	10/30/24 1308	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-019	10/29/24 1401	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-020	10/31/24 1420	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-021	10/31/24 1324	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-022	10/30/24 1004	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
	11/14/24 1000		11/14/24 1000
	11/14/2024	Cheyenne Forrest	11/19/24 1230

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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: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24101590

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37245 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24101590-023	10/30/24 0942	HNO3	Groundwater	✔											
	24101590-024	11/4/24 1126	HNO3	Groundwater	✔											
			HNO3	Groundwater	✔											
	24101590-026	10/30/24 1121	HNO3	Groundwater	✔											
	24101590-027	10/30/24 1214	HNO3	Groundwater	✔											
	24101590-028	10/30/24 1425	HNO3	Groundwater	✔											
	24101590-029	11/7/24 1211	HNO3	Groundwater	✔											
	24101590-030	10/31/24 1235	HNO3	Groundwater	✔											
	24101590-031	10/29/24 1134	HNO3	Groundwater	✔											
	24101590-032	11/7/24 1318	HNO3	Groundwater	✔											
	24101590-033	11/6/24 1158	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	11/14/24 1600	Cheyenne Forrest	11/14/24 1600
			11/14/24 1230

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24101590

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37245 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24101590-034	11/6/24 1348	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-035	11/6/24 1320	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-036	11/4/24 1019	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-037	11/4/24 1119	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-038	11/4/24 1056	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-039	11/4/24 1156	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-040	11/6/24 1121	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-041	11/6/24 1252	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-042	11/7/24 1140	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-043	11/6/24 1411	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-044	11/4/24 1350	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
	11/7/24 1000		11/7/24 1000
	11/18/24	Cheyenne Forrest	11/18/24 1230

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SubCocRevA
3/2/2016

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
COFFEEN POWER PLANT, ASH POND NO. 2
COF-257-102
APPENDIX A.

12/11/2024

TEKLAB, INC. Chain of Custody

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Project# 24101590

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24101590-045	11/4/24 1316	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-046	11/4/24 1236	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-047	11/6/24 1036	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-048	11/4/24 1157	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-049	11/4/24 1106	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-050	11/4/24 1040	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-051	11/4/24 1021	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-052	11/4/24 1246	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-053	11/4/24 1340	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-054	11/6/24 0959	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-055	11/6/24 0922	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
	11/4/24 1600		11/4/24 1600
	11/4/24	Cheyenne Forrest	11/4/24 1230

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24101590-056	10/30/24 1410	HNO3	Groundwater	☑	☐	☐
	24101590-057	11/7/24 1255	HNO3	Aqueous	☑	☑	☑
	24101590-058	10/29/24 1233	HNO3	Groundwater	☑	☐	☐
	24101590-059	10/31/24 1053	HNO3	Groundwater	☑	☐	☐
	24101590-060	11/7/24 1318	HNO3	Groundwater	☑	☐	☐
	24101590-061	10/30/24 1410	HNO3	Groundwater	☑	☐	☐
			HNO3	Aqueous	☐	☐	☐
			HNO3	Aqueous	☐	☐	☐
			HNO3	Aqueous	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
	11/14/24 1230	Cheyenne Forrest	11/14/24 1230

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SubCocRevA
3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-56264-1
SDG Number: 24101590

Login Number: 56264
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Definitions/Glossary

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: 160-56264-1
SDG: 24101590

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: 160-56264-1
SDG: 24101590

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-56264-1	24101590-001	Water	11/07/24 11:18	11/14/24 12:30
160-56264-2	24101590-003	Water	10/30/24 09:16	11/14/24 12:30
160-56264-3	24101590-004	Water	11/06/24 11:30	11/14/24 12:30
160-56264-4	24101590-005	Water	10/30/24 10:45	11/14/24 12:30
160-56264-5	24101590-006	Water	10/30/24 10:21	11/14/24 12:30
160-56264-6	24101590-007	Water	10/30/24 09:51	11/14/24 12:30
160-56264-7	24101590-008	Water	10/29/24 12:33	11/14/24 12:30
160-56264-8	24101590-009	Water	10/31/24 14:12	11/14/24 12:30
160-56264-9	24101590-010	Water	10/31/24 13:52	11/14/24 12:30
160-56264-10	24101590-011	Water	10/31/24 13:04	11/14/24 12:30
160-56264-11	24101590-012	Water	10/31/24 11:05	11/14/24 12:30
160-56264-12	24101590-013	Water	10/31/24 11:37	11/14/24 12:30
160-56264-13	24101590-014	Water	10/31/24 11:41	11/14/24 12:30
160-56264-14	24101590-015	Water	10/31/24 10:53	11/14/24 12:30
160-56264-15	24101590-016	Water	10/31/24 10:25	11/14/24 12:30
160-56264-16	24101590-017	Water	10/31/24 10:19	11/14/24 12:30
160-56264-17	24101590-018	Water	10/30/24 13:08	11/14/24 12:30
160-56264-18	24101590-019	Water	10/29/24 14:01	11/14/24 12:30
160-56264-19	24101590-020	Water	10/31/24 14:20	11/14/24 12:30
160-56264-20	24101590-021	Water	10/31/24 13:24	11/14/24 12:30

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-001

Date Collected: 11/07/24 11:18
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-1

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	0.319		0.136	0.139	1.00	0.159	pCi/L	11/18/24 09:29	12/10/24 10:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.4*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:24*	*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	1.19		0.588	0.598	1.00	0.822	pCi/L	11/18/24 11:27	12/02/24 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.4*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:21*	*1*
Y Carrier	*74.0*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:21*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.50		0.604	0.614	5.00	0.822	pCi/L		12/06/24 18:04	1

Client Sample ID: 24101590-003

Date Collected: 10/30/24 09:16
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-2

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	0.0980	U	0.0936	0.0940	1.00	0.146	pCi/L	11/18/24 09:29	12/10/24 10:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.0*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:24*	*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	0.0900	U	0.344	0.344	1.00	0.621	pCi/L	11/18/24 11:27	12/02/24 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.0*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:21*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:21*	*1*

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-004
Date Collected: 11/06/24 11:30
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-3
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	0.234		0.131	0.133	1.00	0.163	pCi/L	11/18/24 09:29	12/10/24 10:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.9*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:24*	*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	0.451	U G	0.626	0.627	1.00	1.05	pCi/L	11/18/24 11:27	12/02/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.9*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:22*	*1*
Y Carrier	*71.4*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:22*	*1*

Client Sample ID: 24101590-005
Date Collected: 10/30/24 10:45
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-4
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	0.138	U	0.102	0.102	1.00	0.141	pCi/L	11/18/24 09:29	12/10/24 10:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:24*	*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	-0.181	U G	0.563	0.563	1.00	1.09	pCi/L	11/18/24 11:27	12/02/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:22*	*1*
Y Carrier	*63.2*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:22*	*1*

Client Sample ID: 24101590-006
Date Collected: 10/30/24 10:21
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-5
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	0.442		0.249	0.252	1.00	0.334	pCi/L	11/18/24 09:29	12/10/24 10:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:24*	*1*

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-006
Date Collected: 10/30/24 10:21
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-5
Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.854	U G	0.769	0.773	1.00	1.21	pCi/L	11/18/24 11:27	12/02/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:22*	*1*
Y Carrier	*75.1*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.30**		0.808	0.813	5.00	1.21	pCi/L		12/06/24 18:04	1

Client Sample ID: 24101590-007
Date Collected: 10/30/24 09:51
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-6
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	0.227	U	0.190	0.191	1.00	0.283	pCi/L	11/18/24 09:29	12/10/24 10:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.6*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:24*	*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	0.660	U G	1.07	1.07	1.00	1.83	pCi/L	11/18/24 11:27	12/02/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*66.6*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:22*	*1*
Y Carrier	*65.4*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:22*	*1*

Client Sample ID: 24101590-008
Date Collected: 10/29/24 12:33
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-7
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	**0.161**		0.102	0.104	1.00	0.140	pCi/L	11/18/24 09:29	12/10/24 10:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:24*	*1*

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-008
Date Collected: 10/29/24 12:33
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-7
Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.433	U	0.477	0.479	1.00	0.781	pCi/L	11/18/24 11:27	12/02/24 12:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:22*	*1*
Y Carrier	*74.8*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:22*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.594	U	0.488	0.490	5.00	0.781	pCi/L		12/06/24 18:04	1

Client Sample ID: 24101590-009
Date Collected: 10/31/24 14:12
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-8
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	**0.121**		0.0853	0.0860	1.00	0.119	pCi/L	11/18/24 09:29	12/10/24 10:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:24*	*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	-0.106	U	0.333	0.333	1.00	0.659	pCi/L	11/18/24 11:27	12/02/24 12:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:23*	*1*
Y Carrier	*72.1*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:23*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.121	U	0.344	0.344	5.00	0.659	pCi/L		12/06/24 18:04	1

Client Sample ID: 24101590-010
Date Collected: 10/31/24 13:52
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-9
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	0.132	U	0.111	0.112	1.00	0.168	pCi/L	11/18/24 09:29	12/10/24 10:24	1

Client Sample ID: 24101590-010
Date Collected: 10/31/24 13:52
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-9
Matrix: Water

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110	11/18/24 09:29	12/10/24 10:24	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	-0.0189	U	0.424	0.424	1.00	0.796	pCi/L	11/18/24 11:27	12/02/24 12:23	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110	11/18/24 11:27	12/02/24 12:23	1
Y Carrier	76.3		30 - 110	11/18/24 11:27	12/02/24 12:23	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.132	U	0.438	0.439	5.00	0.796	pCi/L		12/06/24 18:04	1

Client Sample ID: 24101590-011
Date Collected: 10/31/24 13:04
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-10
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	0.249		0.154	0.156	1.00	0.220	pCi/L	11/18/24 09:29	12/10/24 10:25	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110	11/18/24 09:29	12/10/24 10:25	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	0.689	U G	0.771	0.773	1.00	1.26	pCi/L	11/18/24 11:27	12/02/24 12:23	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110	11/18/24 11:27	12/02/24 12:23	1
Y Carrier	61.3		30 - 110	11/18/24 11:27	12/02/24 12:23	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.938	U	0.786	0.789	5.00	1.26	pCi/L		12/11/24 15:48	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-012
Date Collected: 10/31/24 11:05
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-11
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	0.147		0.102	0.103	1.00	0.146	pCi/L	11/18/24 09:29	12/10/24 10:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.5*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.183	U	0.452	0.452	1.00	0.884	pCi/L	11/18/24 11:27	12/02/24 12:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.5*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:19*	*1*
Y Carrier	*62.1*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:19*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.147	U	0.463	0.464	5.00	0.884	pCi/L		12/11/24 15:48	1

Client Sample ID: 24101590-013
Date Collected: 10/31/24 11:37
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-12
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	0.240		0.117	0.119	1.00	0.148	pCi/L	11/18/24 09:29	12/10/24 10:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:21*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0381	U	0.374	0.374	1.00	0.687	pCi/L	11/18/24 11:27	12/02/24 12:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:19*	*1*
Y Carrier	*75.1*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:19*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.278	U	0.392	0.392	5.00	0.687	pCi/L		12/11/24 15:48	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-014
Date Collected: 10/31/24 11:41
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-13
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	0.122	U	0.0898	0.0905	1.00	0.131	pCi/L	11/18/24 09:29	12/10/24 10:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.113	U	0.387	0.387	1.00	0.745	pCi/L	11/18/24 11:27	12/02/24 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*
Y Carrier	*67.7*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.122	U	0.397	0.397	5.00	0.745	pCi/L		12/11/24 15:48	1

Client Sample ID: 24101590-015
Date Collected: 10/31/24 10:53
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-14
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	**0.228**		0.106	0.108	1.00	0.126	pCi/L	11/18/24 09:29	12/10/24 10:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.336	U	0.406	0.407	1.00	0.671	pCi/L	11/18/24 11:27	12/02/24 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*
Y Carrier	*71.0*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.565	U	0.420	0.421	5.00	0.671	pCi/L		12/11/24 15:48	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-016
Date Collected: 10/31/24 10:25
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-15
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	**0.447**		0.210	0.214	1.00	0.255	pCi/L	11/18/24 09:29	12/10/24 10:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.897	U G	0.793	0.797	1.00	1.24	pCi/L	11/18/24 11:27	12/02/24 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*
Y Carrier	*67.7*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.34**		0.820	0.825	5.00	1.24	pCi/L		12/11/24 15:48	1

Client Sample ID: 24101590-017
Date Collected: 10/31/24 10:19
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-16
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	**0.146**		0.0944	0.0953	1.00	0.130	pCi/L	11/18/24 09:29	12/10/24 10:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.332	U	0.483	0.484	1.00	0.815	pCi/L	11/18/24 11:27	12/02/24 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*
Y Carrier	*61.7*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.478	U	0.492	0.493	5.00	0.815	pCi/L		12/11/24 15:48	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-018
Date Collected: 10/30/24 13:08
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-17
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	0.267		0.105	0.108	1.00	0.108	pCi/L	11/18/24 09:29	12/10/24 10:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.305	U	0.439	0.440	1.00	0.740	pCi/L	11/18/24 11:27	12/02/24 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*
Y Carrier	*64.7*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.572	U	0.451	0.453	5.00	0.740	pCi/L		12/11/24 15:48	1

Client Sample ID: 24101590-019
Date Collected: 10/29/24 14:01
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-18
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	0.0954	U	0.109	0.109	1.00	0.177	pCi/L	11/18/24 09:29	12/10/24 10:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.1*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.199	U	0.459	0.459	1.00	0.813	pCi/L	11/18/24 11:27	12/02/24 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*67.1*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*
Y Carrier	*67.3*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.295	U	0.472	0.472	5.00	0.813	pCi/L		12/11/24 15:48	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-020
Date Collected: 10/31/24 14:20
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-19
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	0.107	U	0.0839	0.0844	1.00	0.123	pCi/L	11/18/24 09:29	12/10/24 10:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0410	U	0.323	0.323	1.00	0.618	pCi/L	11/18/24 11:27	12/02/24 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*
Y Carrier	*72.9*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.107	U	0.334	0.334	5.00	0.618	pCi/L		12/11/24 15:48	1

Client Sample ID: 24101590-021
Date Collected: 10/31/24 13:24
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-20
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	0.156	U	0.124	0.124	1.00	0.183	pCi/L	11/18/24 09:29	12/10/24 10:22	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.5*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:22*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.188	U	0.549	0.550	1.00	0.971	pCi/L	11/18/24 11:27	12/02/24 12:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.5*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*
Y Carrier	*76.3*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:20*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.344	U	0.563	0.564	5.00	0.971	pCi/L		12/11/24 15:48	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-689146/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 692849 — **Prep Batch: 689146**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.001506	U	0.0473	0.0473	1.00	0.0997	pCi/L	11/18/24 09:29	12/10/24 10:17	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*30 - 110*	*11/18/24 09:29*	*12/10/24 10:17*	*1*

Lab Sample ID: LCS 160-689146/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 692849 — **Prep Batch: 689146**

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.039		0.974	1.00	0.119	pCi/L	94	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.9*		*30 - 110*

Lab Sample ID: 160-56264-2 DU — **Client Sample ID: 24101590-003**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 692926 — **Prep Batch: 689146**

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0980	U		0.06093	U	0.0763	1.00	0.126	pCi/L			0.22	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*78.0*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-689167/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 691381 — **Prep Batch: 689167**

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.05415	U	0.357	0.357	1.00	0.669	pCi/L	11/18/24 11:27	12/02/24 12:21	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.2*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:21*	*1*
Y Carrier	*72.9*		*30 - 110*	*11/18/24 11:27*	*12/02/24 12:21*	*1*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-689167/2-A
Matrix: Water
Analysis Batch: 691381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689167

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.30	9.883		1.38	1.00	0.636	pCi/L	119	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.9*		*30 - 110*
Y Carrier	*74.4*		*30 - 110*

Lab Sample ID: 160-56264-2 DU
Matrix: Water
Analysis Batch: 691381

Client Sample ID: 24101590-003
Prep Type: Total/NA
Prep Batch: 689167

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.0900	U		0.07778	U	0.386	1.00	0.704	pCi/L			0.02	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*78.0*		*30 - 110*
Y Carrier	*70.7*		*30 - 110*

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-1
SDG: 24101590

Rad

Prep Batch: 689146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-1	24101590-001	Total/NA	Water	PrecSep-21	
160-56264-2	24101590-003	Total/NA	Water	PrecSep-21	
160-56264-3	24101590-004	Total/NA	Water	PrecSep-21	
160-56264-4	24101590-005	Total/NA	Water	PrecSep-21	
160-56264-5	24101590-006	Total/NA	Water	PrecSep-21	
160-56264-6	24101590-007	Total/NA	Water	PrecSep-21	
160-56264-7	24101590-008	Total/NA	Water	PrecSep-21	
160-56264-8	24101590-009	Total/NA	Water	PrecSep-21	
160-56264-9	24101590-010	Total/NA	Water	PrecSep-21	
160-56264-10	24101590-011	Total/NA	Water	PrecSep-21	
160-56264-11	24101590-012	Total/NA	Water	PrecSep-21	
160-56264-12	24101590-013	Total/NA	Water	PrecSep-21	
160-56264-13	24101590-014	Total/NA	Water	PrecSep-21	
160-56264-14	24101590-015	Total/NA	Water	PrecSep-21	
160-56264-15	24101590-016	Total/NA	Water	PrecSep-21	
160-56264-16	24101590-017	Total/NA	Water	PrecSep-21	
160-56264-17	24101590-018	Total/NA	Water	PrecSep-21	
160-56264-18	24101590-019	Total/NA	Water	PrecSep-21	
160-56264-19	24101590-020	Total/NA	Water	PrecSep-21	
160-56264-20	24101590-021	Total/NA	Water	PrecSep-21	
MB 160-689146/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-689146/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-56264-2 DU	24101590-003	Total/NA	Water	PrecSep-21	

Prep Batch: 689167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-1	24101590-001	Total/NA	Water	PrecSep_0	
160-56264-2	24101590-003	Total/NA	Water	PrecSep_0	
160-56264-3	24101590-004	Total/NA	Water	PrecSep_0	
160-56264-4	24101590-005	Total/NA	Water	PrecSep_0	
160-56264-5	24101590-006	Total/NA	Water	PrecSep_0	
160-56264-6	24101590-007	Total/NA	Water	PrecSep_0	
160-56264-7	24101590-008	Total/NA	Water	PrecSep_0	
160-56264-8	24101590-009	Total/NA	Water	PrecSep_0	
160-56264-9	24101590-010	Total/NA	Water	PrecSep_0	
160-56264-10	24101590-011	Total/NA	Water	PrecSep_0	
160-56264-11	24101590-012	Total/NA	Water	PrecSep_0	
160-56264-12	24101590-013	Total/NA	Water	PrecSep_0	
160-56264-13	24101590-014	Total/NA	Water	PrecSep_0	
160-56264-14	24101590-015	Total/NA	Water	PrecSep_0	
160-56264-15	24101590-016	Total/NA	Water	PrecSep_0	
160-56264-16	24101590-017	Total/NA	Water	PrecSep_0	
160-56264-17	24101590-018	Total/NA	Water	PrecSep_0	
160-56264-18	24101590-019	Total/NA	Water	PrecSep_0	
160-56264-19	24101590-020	Total/NA	Water	PrecSep_0	
160-56264-20	24101590-021	Total/NA	Water	PrecSep_0	
MB 160-689167/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-689167/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-56264-2 DU	24101590-003	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-1
SDG: 24101590

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)
160-56264-1	24101590-001	71.4
160-56264-2	24101590-003	80.0
160-56264-2 DU	24101590-003	78.0
160-56264-3	24101590-004	74.9
160-56264-4	24101590-005	84.3
160-56264-5	24101590-006	78.7
160-56264-6	24101590-007	66.6
160-56264-7	24101590-008	85.1
160-56264-8	24101590-009	83.5
160-56264-9	24101590-010	91.9
160-56264-10	24101590-011	83.8
160-56264-11	24101590-012	79.5
160-56264-12	24101590-013	78.7
160-56264-13	24101590-014	86.1
160-56264-14	24101590-015	85.1
160-56264-15	24101590-016	85.3
160-56264-16	24101590-017	81.5
160-56264-17	24101590-018	84.6
160-56264-18	24101590-019	67.1
160-56264-19	24101590-020	87.8
160-56264-20	24101590-021	80.5
LCS 160-689146/2-A	Lab Control Sample	90.9
MB 160-689146/1-A	Method Blank	96.2

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)
160-56264-1	24101590-001	71.4	74.0
160-56264-2	24101590-003	80.0	80.4
160-56264-2 DU	24101590-003	78.0	70.7
160-56264-3	24101590-004	74.9	71.4
160-56264-4	24101590-005	84.3	63.2
160-56264-5	24101590-006	78.7	75.1
160-56264-6	24101590-007	66.6	65.4
160-56264-7	24101590-008	85.1	74.8
160-56264-8	24101590-009	83.5	72.1
160-56264-9	24101590-010	91.9	76.3
160-56264-10	24101590-011	83.8	61.3
160-56264-11	24101590-012	79.5	62.1
160-56264-12	24101590-013	78.7	75.1
160-56264-13	24101590-014	86.1	67.7
160-56264-14	24101590-015	85.1	71.0
160-56264-15	24101590-016	85.3	67.7
160-56264-16	24101590-017	81.5	61.7

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-1
SDG: 24101590

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)
160-56264-17	24101590-018	84.6	64.7
160-56264-18	24101590-019	67.1	67.3
160-56264-19	24101590-020	87.8	72.9
160-56264-20	24101590-021	80.5	76.3
LCS 160-689167/2-A	Lab Control Sample	90.9	74.4
MB 160-689167/1-A	Method Blank	96.2	72.9

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

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ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 12/16/2024 10:08:59 AM

JOB DESCRIPTION

Radium-226 and Radium-228
24101590

JOB NUMBER

160-56264-2

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

myEOL

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
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CASE NARRATIVE

Client: TekLab, Inc

Project: 24101590

Report Number: 160-56264-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Receipt
The samples were received on 11/14/2024 12:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 6 coolers at receipt time were 19.8°C, 19.8°C, 20.0°C, 20.0°C, 20.0°C and 20.2°C.

Receipt Exceptions
Due to the high volume of samples received, the job was split into three parts with staggered due dates.

Method 903.0 - Radium-226 (GFPC)
Samples 24101590-022 (160-56264-21), 24101590-023 (160-56264-22), 24101590-024 (160-56264-23), 24101590-026 (160-56264-24), 24101590-027 (160-56264-25), 24101590-028 (160-56264-26), 24101590-029 (160-56264-27), 24101590-030 (160-56264-28), 24101590-031 (160-56264-29), 24101590-032 (160-56264-30), 24101590-033 (160-56264-31), 24101590-034 (160-56264-32), 24101590-035 (160-56264-33), 24101590-036 (160-56264-34), 24101590-037 (160-56264-35), 24101590-038 (160-56264-36), 24101590-039 (160-56264-37), 24101590-040 (160-56264-38) and 24101590-041 (160-56264-39) were analyzed for Radium-226 (GFPC). The samples were prepared on 11/18/2024 and analyzed on 12/10/2024.

Job ID: 160-56264-2 (Continued) Eurofins St. Louis

Method 904.0 - Radium-228 (GFPC)
Samples 24101590-022 (160-56264-21), 24101590-023 (160-56264-22), 24101590-024 (160-56264-23), 24101590-026 (160-56264-24), 24101590-027 (160-56264-25), 24101590-028 (160-56264-26), 24101590-029 (160-56264-27), 24101590-030 (160-56264-28), 24101590-031 (160-56264-29), 24101590-032 (160-56264-30), 24101590-033 (160-56264-31), 24101590-034 (160-56264-32), 24101590-035 (160-56264-33), 24101590-036 (160-56264-34), 24101590-037 (160-56264-35), 24101590-038 (160-56264-36), 24101590-039 (160-56264-37), 24101590-040 (160-56264-38) and 24101590-041 (160-56264-39) were analyzed for Radium-228 (GFPC). The samples were prepared on 11/18/2024 and analyzed on 12/5/2024.

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24101590-023 (160-56264-22), 24101590-030 (160-56264-28), 24101590-031 (160-56264-29), 24101590-036 (160-56264-34) and 24101590-037 (160-56264-35) . Analytical results are reported with the detection limit achieved.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24101590-022 (160-56264-21), 24101590-023 (160-56264-22), 24101590-024 (160-56264-23), 24101590-026 (160-56264-24), 24101590-027 (160-56264-25), 24101590-028 (160-56264-26), 24101590-029 (160-56264-27), 24101590-030 (160-56264-28), 24101590-031 (160-56264-29), 24101590-032 (160-56264-30), 24101590-033 (160-56264-31), 24101590-034 (160-56264-32), 24101590-035 (160-56264-33), 24101590-036 (160-56264-34), 24101590-037 (160-56264-35), 24101590-038 (160-56264-36), 24101590-039 (160-56264-37), 24101590-040 (160-56264-38) and 24101590-041 (160-56264-39) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/13/2024 and 12/15/2024.

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: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

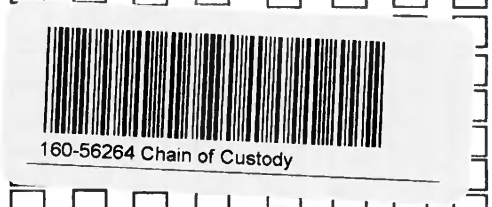
Project# 24101590

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37245
Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24101590-001	11/7/24 1118	HNO3	Groundwater	✔		
			HNO3	Groundwater	✔		
	24101590-003	10/30/24 0916	HNO3	Groundwater		✔	✔
	24101590-004	11/6/24 1130	HNO3	Groundwater		✔	✔
	24101590-005	10/30/24 1045	HNO3	Groundwater		✔	✔
	24101590-006	10/30/24 1021	HNO3	Groundwater	✔	✔	✔
	24101590-007	10/30/24 0951	HNO3	Groundwater		✔	✔
	24101590-008	10/29/24 1233	HNO3	Groundwater	✔		
	24101590-009	10/31/24 1412	HNO3	Groundwater	✔		
	24101590-010	10/31/24 1352	HNO3	Groundwater	✔		
	24101590-011	10/31/24 1304	HNO3	Groundwater	✔		



*Relinquished By	Date/Time	Received By	Date/Time
	11/14/24 1000		11/14/24 1000
	11/14/24 1230	Cheyenne Forrest	11/14/24 1230

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24101590

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37245 | Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24101590-012	10/31/24 1105	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-013	10/31/24 1137	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-014	10/31/24 1141	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-015	10/31/24 1053	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-016	10/31/24 1025	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-017	10/31/24 1019	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-018	10/30/24 1308	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-019	10/29/24 1401	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-020	10/31/24 1420	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-021	10/31/24 1324	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-022	10/30/24 1004	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
	11/14/24 1000		11/14/24 1000
	11/14/24	Cheyenne Forrest	11/19/24 1230

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TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level: 2

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Method changes require Teklab authorization. Samples collected from an IL site.
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Project# 24101590

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 37245
Phone: (618) 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24101590-023	10/30/24 0942	HNO3	Groundwater	✔											
	24101590-024	11/4/24 1126	HNO3	Groundwater	✔											
			HNO3	Groundwater	✔											
	24101590-026	10/30/24 1121	HNO3	Groundwater	✔											
	24101590-027	10/30/24 1214	HNO3	Groundwater	✔											
	24101590-028	10/30/24 1425	HNO3	Groundwater	✔											
	24101590-029	11/7/24 1211	HNO3	Groundwater	✔											
	24101590-030	10/31/24 1235	HNO3	Groundwater	✔											
	24101590-031	10/29/24 1134	HNO3	Groundwater	✔											
	24101590-032	11/7/24 1318	HNO3	Groundwater	✔											
	24101590-033	11/6/24 1158	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	11/14/24 1600	Cheyenne Forrest	11/14/24 1600
			11/14/24 1230

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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: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
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Project# 24101590

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37245 | Phone: (618) 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24101590-034	11/6/24 1348	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-035	11/6/24 1320	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-036	11/4/24 1019	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-037	11/4/24 1119	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-038	11/4/24 1056	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-039	11/4/24 1156	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-040	11/6/24 1121	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-041	11/6/24 1252	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-042	11/7/24 1140	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-043	11/6/24 1411	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-044	11/4/24 1350	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
	11/7/24 1000		11/7/24 1000
	11/18/24	Choyenne Forrest	11/18/24 1230

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
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Project# 24101590

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37245
Phone: (618) 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24101590-045	11/4/24 1316	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-046	11/4/24 1236	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-047	11/6/24 1036	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-048	11/4/24 1157	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-049	11/4/24 1106	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-050	11/4/24 1040	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-051	11/4/24 1021	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-052	11/4/24 1246	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-053	11/4/24 1340	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-054	11/6/24 0959	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-055	11/6/24 0922	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
	11/4/24 1600		11/4/24 1600
	11/4/24	Cheyenne Forrest	11/14/24 1230

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☑ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24101590

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 37245 Phone: (618) 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24101590-056	10/30/24 1410	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-057	11/7/24 1255	HNO3	Aqueous	☑	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-058	10/29/24 1233	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-059	10/31/24 1053	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-060	11/7/24 1318	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-061	10/30/24 1410	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
	11/14/24 1230	Cheyenne Forrest	11/14/24 1230

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SubCocRevA
3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-56264-2
SDG Number: 24101590

Login Number: 56264
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

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: 160-56264-2
SDG: 24101590

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: 160-56264-2
SDG: 24101590

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-56264-21	24101590-022	Water	10/30/24 10:04	11/14/24 12:30
160-56264-22	24101590-023	Water	10/30/24 09:42	11/14/24 12:30
160-56264-23	24101590-024	Water	11/04/24 11:26	11/14/24 12:30
160-56264-24	24101590-026	Water	10/30/24 11:21	11/14/24 12:30
160-56264-25	24101590-027	Water	10/30/24 12:14	11/14/24 12:30
160-56264-26	24101590-028	Water	10/30/24 14:25	11/14/24 12:30
160-56264-27	24101590-029	Water	11/07/24 12:11	11/14/24 12:30
160-56264-28	24101590-030	Water	10/31/24 12:35	11/14/24 12:30
160-56264-29	24101590-031	Water	10/29/24 11:34	11/14/24 12:30
160-56264-30	24101590-032	Water	11/07/24 13:18	11/14/24 12:30
160-56264-31	24101590-033	Water	11/06/24 11:58	11/14/24 12:30
160-56264-32	24101590-034	Water	11/06/24 13:48	11/14/24 12:30
160-56264-33	24101590-035	Water	11/06/24 13:20	11/14/24 12:30
160-56264-34	24101590-036	Water	11/04/24 10:19	11/14/24 12:30
160-56264-35	24101590-037	Water	11/04/24 11:19	11/14/24 12:30
160-56264-36	24101590-038	Water	11/04/24 10:56	11/14/24 12:30
160-56264-37	24101590-039	Water	11/04/24 11:56	11/14/24 12:30
160-56264-38	24101590-040	Water	11/06/24 11:21	11/14/24 12:30
160-56264-39	24101590-041	Water	11/06/24 12:52	11/14/24 12:30

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-022
Date Collected: 10/30/24 10:04
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-21
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	0.144	U	0.134	0.134	1.00	0.208	pCi/L	11/18/24 09:39	12/10/24 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.134	U	0.481	0.481	1.00	0.857	pCi/L	11/18/24 09:42	12/05/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:08*	*1*
Y Carrier	*86.0*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.278	U	0.499	0.499	5.00	0.857	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-023
Date Collected: 10/30/24 09:42
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-22
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	0.223	U	0.234	0.235	1.00	0.372	pCi/L	11/18/24 09:39	12/10/24 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*39.2*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.447	U G	0.986	0.986	1.00	1.73	pCi/L	11/18/24 09:42	12/05/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*39.2*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:08*	*1*
Y Carrier	*79.3*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.670	U	1.01	1.01	5.00	1.73	pCi/L		12/13/24 17:32	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-024
Date Collected: 11/04/24 11:26
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-23
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	0.0297	U	0.0771	0.0771	1.00	0.141	pCi/L	11/18/24 09:39	12/10/24 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0413	U	0.269	0.269	1.00	0.523	pCi/L	11/18/24 09:42	12/05/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:08*	*1*
Y Carrier	*81.9*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0297	U	0.280	0.280	5.00	0.523	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-026
Date Collected: 10/30/24 11:21
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-24
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	0.0433	U	0.0828	0.0829	1.00	0.147	pCi/L	11/18/24 09:39	12/10/24 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0914	U	0.322	0.322	1.00	0.586	pCi/L	11/18/24 09:42	12/05/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.3*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:08*	*1*
Y Carrier	*75.1*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.135	U	0.332	0.333	5.00	0.586	pCi/L		12/13/24 17:32	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-027
Date Collected: 10/30/24 12:14
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-25
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	0.0509	U	0.0937	0.0938	1.00	0.167	pCi/L	11/18/24 09:39	12/10/24 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.237	U	0.435	0.436	1.00	0.872	pCi/L	11/18/24 09:42	12/05/24 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:08*	*1*
Y Carrier	*85.2*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:08*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0509	U	0.445	0.446	5.00	0.872	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-028
Date Collected: 10/30/24 14:25
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-26
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0876	U	0.0997	0.100	1.00	0.162	pCi/L	11/18/24 09:39	12/10/24 20:06	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:06*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.131	U	0.388	0.388	1.00	0.685	pCi/L	11/18/24 09:42	12/05/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:12*	*1*
Y Carrier	*86.4*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:12*	*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	0.219	U	0.401	0.401	5.00	0.685	pCi/L		12/13/24 17:32	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-029
Date Collected: 11/07/24 12:11
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-27
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	0.301		0.136	0.138	1.00	0.159	pCi/L	11/18/24 09:39	12/10/24 20:06	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	76.7		30 - 110	11/18/24 09:39	12/10/24 20:06	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.805		0.522	0.527	1.00	0.779	pCi/L	11/18/24 09:42	12/05/24 12:11	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	76.7		30 - 110	11/18/24 09:42	12/05/24 12:11	1
Y Carrier	81.5		30 - 110	11/18/24 09:42	12/05/24 12:11	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.11		0.539	0.545	5.00	0.779	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-030
Date Collected: 10/31/24 12:35
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-28
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	0.0647	U	0.124	0.125	1.00	0.221	pCi/L	11/18/24 09:39	12/10/24 20:06	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	74.2		30 - 110	11/18/24 09:39	12/10/24 20:06	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.153	U G	0.762	0.762	1.00	1.35	pCi/L	11/18/24 09:42	12/05/24 12:12	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	74.2		30 - 110	11/18/24 09:42	12/05/24 12:12	1
Y Carrier	80.4		30 - 110	11/18/24 09:42	12/05/24 12:12	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	0.218	U	0.772	0.772	5.00	1.35	pCi/L		12/13/24 17:32	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-031
Date Collected: 10/29/24 11:34
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-29
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	0.530		0.200	0.206	1.00	0.215	pCi/L	11/18/24 09:39	12/10/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.2*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.02	G	0.959	0.977	1.00	1.37	pCi/L	11/18/24 09:42	12/05/24 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.2*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:12*	*1*
Y Carrier	*76.3*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:12*	*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	2.55		0.980	0.998	5.00	1.37	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-032
Date Collected: 11/07/24 13:18
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-30
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	0.0249	U	0.0822	0.0822	1.00	0.154	pCi/L	11/18/24 09:39	12/10/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.00882	U	0.360	0.360	1.00	0.682	pCi/L	11/18/24 09:42	12/05/24 13:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.3*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:35*	*1*
Y Carrier	*83.0*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0249	U	0.369	0.369	5.00	0.682	pCi/L		12/13/24 17:32	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-033
Date Collected: 11/06/24 11:58
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-31
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	0.0648	U	0.101	0.101	1.00	0.173	pCi/L	11/18/24 09:39	12/10/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.208	U	0.370	0.371	1.00	0.639	pCi/L	11/18/24 09:42	12/05/24 13:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:35*	*1*
Y Carrier	*83.7*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:35*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.273	U	0.384	0.385	5.00	0.639	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-034
Date Collected: 11/06/24 13:48
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-32
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	0.0642	U	0.0974	0.0975	1.00	0.167	pCi/L	11/18/24 09:39	12/10/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.384	U	0.448	0.450	1.00	0.737	pCi/L	11/18/24 09:42	12/05/24 13:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.3*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:36*	*1*
Y Carrier	*75.9*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:36*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.448	U	0.458	0.460	5.00	0.737	pCi/L		12/13/24 17:32	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-035
Date Collected: 11/06/24 13:20
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-33
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	0.0398	U	0.0925	0.0926	1.00	0.167	pCi/L	11/18/24 09:39	12/10/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.2*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0129	U	0.479	0.479	1.00	0.887	pCi/L	11/18/24 09:42	12/05/24 13:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.2*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:36*	*1*
Y Carrier	*80.4*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:36*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0398	U	0.488	0.488	5.00	0.887	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-036
Date Collected: 11/04/24 10:19
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-34
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	0.0960	U	0.132	0.132	1.00	0.223	pCi/L	11/18/24 09:39	12/10/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.486	U G	0.627	0.629	1.00	1.04	pCi/L	11/18/24 09:42	12/05/24 13:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:36*	*1*
Y Carrier	*76.6*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:36*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.582	U	0.641	0.643	5.00	1.04	pCi/L		12/13/24 17:32	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-037
Date Collected: 11/04/24 11:19
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-35
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	0.115	U	0.112	0.112	1.00	0.172	pCi/L	11/18/24 09:39	12/10/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.06**	**G**	0.701	0.708	1.00	1.05	pCi/L	11/18/24 09:42	12/05/24 13:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:36*	*1*
Y Carrier	*78.5*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:36*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.18**		0.710	0.717	5.00	1.05	pCi/L		12/15/24 11:36	1

Client Sample ID: 24101590-038
Date Collected: 11/04/24 10:56
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-36
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	0.0545	U	0.0776	0.0778	1.00	0.132	pCi/L	11/18/24 09:39	12/10/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0304	U	0.355	0.355	1.00	0.666	pCi/L	11/18/24 09:42	12/05/24 13:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:37*	*1*
Y Carrier	*78.1*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:37*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0850	U	0.363	0.363	5.00	0.666	pCi/L		12/15/24 11:36	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-039
Date Collected: 11/04/24 11:56
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-37
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0415	U	0.0755	0.0756	1.00	0.135	pCi/L	11/18/24 09:39	12/10/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.5*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.161	U	0.499	0.500	1.00	0.886	pCi/L	11/18/24 09:42	12/05/24 13:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.5*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:37*	*1*
Y Carrier	*78.5*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:37*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.202	U	0.505	0.506	5.00	0.886	pCi/L		12/15/24 11:36	1

Client Sample ID: 24101590-040
Date Collected: 11/06/24 11:21
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-38
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	0.0181	U	0.0700	0.0700	1.00	0.138	pCi/L	11/18/24 09:39	12/10/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.4*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.95**		0.782	0.828	1.00	0.874	pCi/L	11/18/24 09:42	12/05/24 13:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.4*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:38*	*1*
Y Carrier	*83.7*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:38*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**2.96**		0.785	0.831	5.00	0.874	pCi/L		12/15/24 11:36	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-041

Date Collected: 11/06/24 12:52
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-39

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	0.117	U	0.116	0.117	1.00	0.184	pCi/L	11/18/24 09:39	12/10/24 20:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:14*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.35**		0.686	0.719	1.00	0.782	pCi/L	11/18/24 09:42	12/05/24 13:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:38*	*1*
Y Carrier	*79.6*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:38*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**2.47**		0.696	0.728	5.00	0.782	pCi/L		12/15/24 11:36	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-689149/1-A
Matrix: Water
Analysis Batch: 692927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689149

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.001743	U	0.0776	0.0776	1.00	0.154	pCi/L	11/18/24 09:39	12/10/24 20:06	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:06*	*1*

Lab Sample ID: LCS 160-689149/2-A
Matrix: Water
Analysis Batch: 692927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689149

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.866		0.981	1.00	0.160	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*85.3*		*30 - 110*

Lab Sample ID: 160-56264-39 DU
Matrix: Water
Analysis Batch: 692926

Client Sample ID: 24101590-041
Prep Type: Total/NA
Prep Batch: 689149

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.117	U		0.04171	U	0.0736	1.00	0.130	pCi/L			0.40	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*88.1*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-689150/1-A
Matrix: Water
Analysis Batch: 691990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689150

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2221	U	0.236	0.236	1.00	0.535	pCi/L	11/18/24 09:42	12/05/24 12:08	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:08*	*1*
Y Carrier	*80.7*		*30 - 110*	*11/18/24 09:42*	*12/05/24 12:08*	*1*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-689150/2-A
Matrix: Water
Analysis Batch: 691990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689150

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.29	9.021		1.30	1.00	0.608	pCi/L	109	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*85.3*		*30 - 110*
Y Carrier	*80.4*		*30 - 110*

Lab Sample ID: 160-56264-39 DU
Matrix: Water
Analysis Batch: 691936

Client Sample ID: 24101590-041
Prep Type: Total/NA
Prep Batch: 689150

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	2.35			1.835		0.583	1.00	0.613	pCi/L			0.40	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*88.1*		*30 - 110*
Y Carrier	*82.6*		*30 - 110*

QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

Rad

Prep Batch: 689149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-21	24101590-022	Total/NA	Water	PrecSep-21	
160-56264-22	24101590-023	Total/NA	Water	PrecSep-21	
160-56264-23	24101590-024	Total/NA	Water	PrecSep-21	
160-56264-24	24101590-026	Total/NA	Water	PrecSep-21	
160-56264-25	24101590-027	Total/NA	Water	PrecSep-21	
160-56264-26	24101590-028	Total/NA	Water	PrecSep-21	
160-56264-27	24101590-029	Total/NA	Water	PrecSep-21	
160-56264-28	24101590-030	Total/NA	Water	PrecSep-21	
160-56264-29	24101590-031	Total/NA	Water	PrecSep-21	
160-56264-30	24101590-032	Total/NA	Water	PrecSep-21	
160-56264-31	24101590-033	Total/NA	Water	PrecSep-21	
160-56264-32	24101590-034	Total/NA	Water	PrecSep-21	
160-56264-33	24101590-035	Total/NA	Water	PrecSep-21	
160-56264-34	24101590-036	Total/NA	Water	PrecSep-21	
160-56264-35	24101590-037	Total/NA	Water	PrecSep-21	
160-56264-36	24101590-038	Total/NA	Water	PrecSep-21	
160-56264-37	24101590-039	Total/NA	Water	PrecSep-21	
160-56264-38	24101590-040	Total/NA	Water	PrecSep-21	
160-56264-39	24101590-041	Total/NA	Water	PrecSep-21	
MB 160-689149/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-689149/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-56264-39 DU	24101590-041	Total/NA	Water	PrecSep-21	

Prep Batch: 689150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-21	24101590-022	Total/NA	Water	PrecSep_0	
160-56264-22	24101590-023	Total/NA	Water	PrecSep_0	
160-56264-23	24101590-024	Total/NA	Water	PrecSep_0	
160-56264-24	24101590-026	Total/NA	Water	PrecSep_0	
160-56264-25	24101590-027	Total/NA	Water	PrecSep_0	
160-56264-26	24101590-028	Total/NA	Water	PrecSep_0	
160-56264-27	24101590-029	Total/NA	Water	PrecSep_0	
160-56264-28	24101590-030	Total/NA	Water	PrecSep_0	
160-56264-29	24101590-031	Total/NA	Water	PrecSep_0	
160-56264-30	24101590-032	Total/NA	Water	PrecSep_0	
160-56264-31	24101590-033	Total/NA	Water	PrecSep_0	
160-56264-32	24101590-034	Total/NA	Water	PrecSep_0	
160-56264-33	24101590-035	Total/NA	Water	PrecSep_0	
160-56264-34	24101590-036	Total/NA	Water	PrecSep_0	
160-56264-35	24101590-037	Total/NA	Water	PrecSep_0	
160-56264-36	24101590-038	Total/NA	Water	PrecSep_0	
160-56264-37	24101590-039	Total/NA	Water	PrecSep_0	
160-56264-38	24101590-040	Total/NA	Water	PrecSep_0	
160-56264-39	24101590-041	Total/NA	Water	PrecSep_0	
MB 160-689150/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-689150/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-56264-39 DU	24101590-041	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

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)						
160-56264-21	24101590-022	84.1						
160-56264-22	24101590-023	39.2						
160-56264-23	24101590-024	91.4						
160-56264-24	24101590-026	82.3						
160-56264-25	24101590-027	83.3						
160-56264-26	24101590-028	88.4						
160-56264-27	24101590-029	76.7						
160-56264-28	24101590-030	74.2						
160-56264-29	24101590-031	76.2						
160-56264-30	24101590-032	84.3						
160-56264-31	24101590-033	87.6						
160-56264-32	24101590-034	81.3						
160-56264-33	24101590-035	79.2						
160-56264-34	24101590-036	78.2						
160-56264-35	24101590-037	84.8						
160-56264-36	24101590-038	87.1						
160-56264-37	24101590-039	78.5						
160-56264-38	24101590-040	75.4						
160-56264-39	24101590-041	81.8						
160-56264-39 DU	24101590-041	88.1						
LCS 160-689149/2-A	Lab Control Sample	85.3						
MB 160-689149/1-A	Method Blank	88.4						

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)						
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)					
160-56264-21	24101590-022	84.1	86.0					
160-56264-22	24101590-023	39.2	79.3					
160-56264-23	24101590-024	91.4	81.9					
160-56264-24	24101590-026	82.3	75.1					
160-56264-25	24101590-027	83.3	85.2					
160-56264-26	24101590-028	88.4	86.4					
160-56264-27	24101590-029	76.7	81.5					
160-56264-28	24101590-030	74.2	80.4					
160-56264-29	24101590-031	76.2	76.3					
160-56264-30	24101590-032	84.3	83.0					
160-56264-31	24101590-033	87.6	83.7					
160-56264-32	24101590-034	81.3	75.9					
160-56264-33	24101590-035	79.2	80.4					
160-56264-34	24101590-036	78.2	76.6					
160-56264-35	24101590-037	84.8	78.5					
160-56264-36	24101590-038	87.1	78.1					
160-56264-37	24101590-039	78.5	78.5					
160-56264-38	24101590-040	75.4	83.7					

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-2
SDG: 24101590

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)
160-56264-39	24101590-041	81.8	79.6
160-56264-39 DU	24101590-041	88.1	82.6
LCS 160-689150/2-A	Lab Control Sample	85.3	80.4
MB 160-689150/1-A	Method Blank	88.4	80.7

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

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ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

Radium-226 and Radium-228
24101590

JOB NUMBER

160-56264-3

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

myEOL

Eurofins St. Louis

Job Notes

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CASE NARRATIVE

Client: TekLab, Inc

Project: 24101590

Report Number: 160-56264-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Receipt
The samples were received on 11/14/2024 12:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 6 coolers at receipt time were 19.8°C, 19.8°C, 20.0°C, 20.0°C, 20.0°C and 20.2°C.

Receipt Exceptions
Due to the high volume of samples received, the job was split into three parts with staggered due dates.

Method 903.0 - Radium-226 (GFPC)
Samples 24101590-042 (160-56264-40), 24101590-043 (160-56264-41), 24101590-044 (160-56264-42), 24101590-045 (160-56264-43), 24101590-046 (160-56264-44), 24101590-047 (160-56264-45), 24101590-048 (160-56264-46), 24101590-049 (160-56264-47), 24101590-050 (160-56264-48), 24101590-051 (160-56264-49), 24101590-052 (160-56264-50), 24101590-053 (160-56264-51), 24101590-054 (160-56264-52), 24101590-055 (160-56264-53), 24101590-056 (160-56264-54), 24101590-057 (160-56264-55), 24101590-058 (160-56264-56), 24101590-059 (160-56264-57), 24101590-060 (160-56264-58) and 24101590-061 (160-56264-59) were analyzed for Radium-226 (GFPC). The samples were prepared on 11/18/2024 and analyzed on 12/10/2024.

Case Narrative

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-56264-3

Job ID: 160-56264-3 (Continued) — Eurofins St. Louis

Method 904.0 - Radium-228 (GFPC)
Samples 24101590-042 (160-56264-40), 24101590-043 (160-56264-41), 24101590-044 (160-56264-42), 24101590-045 (160-56264-43), 24101590-046 (160-56264-44), 24101590-047 (160-56264-45), 24101590-048 (160-56264-46), 24101590-049 (160-56264-47), 24101590-050 (160-56264-48), 24101590-051 (160-56264-49), 24101590-052 (160-56264-50), 24101590-053 (160-56264-51), 24101590-054 (160-56264-52), 24101590-055 (160-56264-53), 24101590-056 (160-56264-54), 24101590-057 (160-56264-55), 24101590-058 (160-56264-56), 24101590-059 (160-56264-57), 24101590-060 (160-56264-58) and 24101590-061 (160-56264-59) were analyzed for Radium-228 (GFPC). The samples were prepared on 11/18/2024 and analyzed on 12/4/2024 and 12/5/2024.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228
Samples 24101590-042 (160-56264-40), 24101590-043 (160-56264-41), 24101590-044 (160-56264-42), 24101590-045 (160-56264-43), 24101590-046 (160-56264-44), 24101590-047 (160-56264-45), 24101590-048 (160-56264-46), 24101590-049 (160-56264-47), 24101590-050 (160-56264-48), 24101590-051 (160-56264-49), 24101590-052 (160-56264-50), 24101590-053 (160-56264-51), 24101590-054 (160-56264-52), 24101590-055 (160-56264-53), 24101590-056 (160-56264-54), 24101590-057 (160-56264-55), 24101590-058 (160-56264-56), 24101590-059 (160-56264-57), 24101590-060 (160-56264-58) and 24101590-061 (160-56264-59) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/15/2024.

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: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

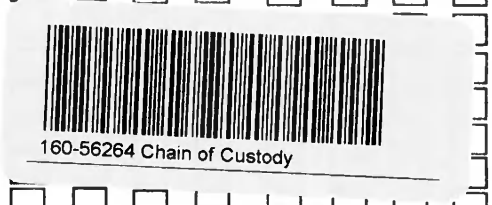
Project# 24101590

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37245
Phone: (618) 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228
	24101590-001	11/7/24 1118	HNO3	Groundwater	✔		
			HNO3	Groundwater	✔		
	24101590-003	10/30/24 0916	HNO3	Groundwater		✔	✔
	24101590-004	11/6/24 1130	HNO3	Groundwater		✔	✔
	24101590-005	10/30/24 1045	HNO3	Groundwater		✔	✔
	24101590-006	10/30/24 1021	HNO3	Groundwater	✔	✔	✔
	24101590-007	10/30/24 0951	HNO3	Groundwater		✔	✔
	24101590-008	10/29/24 1233	HNO3	Groundwater	✔		
	24101590-009	10/31/24 1412	HNO3	Groundwater	✔		
	24101590-010	10/31/24 1352	HNO3	Groundwater	✔		
	24101590-011	10/31/24 1304	HNO3	Groundwater	✔		



*Relinquished By	Date/Time	Received By	Date/Time
	11/14/24 1000		11/14/24 1000
	11/14/24 1230	Cheyenne Forrest	11/14/24 1230

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization. and proprietary rights, Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

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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: Teklab Sampling Team | QC Level: 2

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Vistra-EDD requested.

Project# 24101590

Contact: Elizabeth Hurley | Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT | Billing/PO: 37245 | Phone: (618) 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24101590-012	10/31/24 1105	HNO3	Groundwater	✔											
	24101590-013	10/31/24 1137	HNO3	Groundwater	✔											
	24101590-014	10/31/24 1141	HNO3	Groundwater	✔											
	24101590-015	10/31/24 1053	HNO3	Groundwater	✔											
	24101590-016	10/31/24 1025	HNO3	Groundwater	✔											
	24101590-017	10/31/24 1019	HNO3	Groundwater	✔											
	24101590-018	10/30/24 1308	HNO3	Groundwater	✔											
	24101590-019	10/29/24 1401	HNO3	Groundwater	✔											
	24101590-020	10/31/24 1420	HNO3	Groundwater	✔											
	24101590-021	10/31/24 1324	HNO3	Groundwater	✔											
	24101590-022	10/30/24 1004	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
	11/14/24 1000		11/14/24 1000
	11/14/24	Cheyenne Forrest	11/19/24 1230

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24101590-023	10/30/24 0942	HNO3	Groundwater	✔											
	24101590-024	11/4/24 1126	HNO3	Groundwater	✔											
			HNO3	Groundwater	✔											
	24101590-026	10/30/24 1121	HNO3	Groundwater	✔											
	24101590-027	10/30/24 1214	HNO3	Groundwater	✔											
	24101590-028	10/30/24 1425	HNO3	Groundwater	✔											
	24101590-029	11/7/24 1211	HNO3	Groundwater	✔											
	24101590-030	10/31/24 1235	HNO3	Groundwater	✔											
	24101590-031	10/29/24 1134	HNO3	Groundwater	✔											
	24101590-032	11/7/24 1318	HNO3	Groundwater	✔											
	24101590-033	11/6/24 1158	HNO3	Groundwater	✔											

*Relinquished By	Date/Time	Received By	Date/Time
[signature]	11/14/24 1600	[signature] Cheyenne Forrest	11/14/24 1600
			11/14/24 1230

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Collinsville, IL 62234

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228									
	24101590-034	11/6/24 1348	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-035	11/6/24 1320	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-036	11/4/24 1019	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-037	11/4/24 1119	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-038	11/4/24 1056	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-039	11/4/24 1156	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-040	11/6/24 1121	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-041	11/6/24 1252	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-042	11/7/24 1140	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-043	11/6/24 1411	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-044	11/4/24 1350	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
	11/7/24 1000		11/7/24 1000
	11/18/24	Choyenne Forrest	11/18/24 1230

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Teklab Inc
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Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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Project# 24101590

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Requested Due Date: Standard TAT | Billing/PO: 37245
Phone: (618) 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24101590-045	11/4/24 1316	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-046	11/4/24 1236	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-047	11/6/24 1036	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-048	11/4/24 1157	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-049	11/4/24 1106	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-050	11/4/24 1040	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-051	11/4/24 1021	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-052	11/4/24 1246	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-053	11/4/24 1340	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-054	11/6/24 0959	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-055	11/6/24 0922	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
	11/4/24 1600		11/4/24 1600
	11/4/24	Cheyenne Forrest	11/4/24 1230

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3/2/2016

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Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: | Sampler: Teklab Sampling Team | QC Level: 2

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Project# 24101590

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Requested Due Date: Standard TAT | Billing/PO: 37245 | Phone: (618) 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24101590-056	10/30/24 1410	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-057	11/7/24 1255	HNO3	Aqueous	☑	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-058	10/29/24 1233	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-059	10/31/24 1053	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-060	11/7/24 1318	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24101590-061	10/30/24 1410	HNO3	Groundwater	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
	11/14/24 1200	Cheyenne Forrest	11/14/24 1230

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SubCocRevA
3/2/2016

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-56264-3
SDG Number: 24101590

Login Number: 56264
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Definitions/Glossary

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: 160-56264-3
SDG: 24101590

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: 160-56264-3
SDG: 24101590

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-56264-40	24101590-042	Water	11/07/24 11:40	11/14/24 12:30
160-56264-41	24101590-043	Water	11/06/24 14:11	11/14/24 12:30
160-56264-42	24101590-044	Water	11/04/24 13:50	11/14/24 12:30
160-56264-43	24101590-045	Water	11/04/24 13:16	11/14/24 12:30
160-56264-44	24101590-046	Water	11/04/24 12:36	11/14/24 12:30
160-56264-45	24101590-047	Water	11/06/24 10:36	11/14/24 12:30
160-56264-46	24101590-048	Water	11/04/24 11:57	11/14/24 12:30
160-56264-47	24101590-049	Water	11/04/24 11:06	11/14/24 12:30
160-56264-48	24101590-050	Water	11/04/24 10:40	11/14/24 12:30
160-56264-49	24101590-051	Water	11/04/24 10:21	11/14/24 12:30
160-56264-50	24101590-052	Water	11/04/24 12:46	11/14/24 12:30
160-56264-51	24101590-053	Water	11/04/24 13:40	11/14/24 12:30
160-56264-52	24101590-054	Water	11/06/24 09:59	11/14/24 12:30
160-56264-53	24101590-055	Water	11/06/24 09:22	11/14/24 12:30
160-56264-54	24101590-056	Water	10/30/24 14:10	11/14/24 12:30
160-56264-55	24101590-057	Water	11/07/24 12:55	11/14/24 12:30
160-56264-56	24101590-058	Water	10/29/24 12:33	11/14/24 12:30
160-56264-57	24101590-059	Water	10/31/24 10:53	11/14/24 12:30
160-56264-58	24101590-060	Water	11/07/24 13:18	11/14/24 12:30
160-56264-59	24101590-061	Water	10/30/24 14:10	11/14/24 12:30

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-042
Date Collected: 11/07/24 11:40
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-40
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	0.0995	U	0.0983	0.0987	1.00	0.154	pCi/L	11/18/24 09:39	12/10/24 20:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:15*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**3.98**		0.725	0.812	1.00	0.607	pCi/L	11/18/24 09:42	12/05/24 13:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.9*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:38*	*1*
Y Carrier	*86.4*		*30 - 110*	*11/18/24 09:42*	*12/05/24 13:38*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**4.08**		0.732	0.818	5.00	0.607	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-043
Date Collected: 11/06/24 14:11
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-41
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	**0.265**		0.111	0.114	1.00	0.116	pCi/L	11/18/24 09:43	12/10/24 08:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*11/18/24 09:43*	*12/10/24 08:11*	*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	**1.17**		0.458	0.470	1.00	0.587	pCi/L	11/18/24 09:46	12/04/24 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:49*	*1*
Y Carrier	*83.4*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:49*	*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	**1.44**		0.471	0.484	5.00	0.587	pCi/L		12/15/24 11:38	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-044
Date Collected: 11/04/24 13:50
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-42
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	0.883		0.196	0.212	1.00	0.160	pCi/L	11/18/24 09:43	12/10/24 08:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.7*		*30 - 110*	*11/18/24 09:43*	*12/10/24 08:11*	*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	0.908		0.438	0.446	1.00	0.615	pCi/L	11/18/24 09:46	12/04/24 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.7*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:49*	*1*
Y Carrier	*82.6*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:49*	*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	1.79		0.480	0.494	5.00	0.615	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-045
Date Collected: 11/04/24 13:16
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-43
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	0.169		0.0974	0.0986	1.00	0.125	pCi/L	11/18/24 09:43	12/10/24 08:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*11/18/24 09:43*	*12/10/24 08:11*	*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	1.53		0.476	0.496	1.00	0.546	pCi/L	11/18/24 09:46	12/04/24 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.3*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:49*	*1*
Y Carrier	*84.1*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:49*	*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	1.70		0.486	0.506	5.00	0.546	pCi/L		12/15/24 11:38	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-046
Date Collected: 11/04/24 12:36
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-44
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	0.154	U	0.132	0.133	1.00	0.200	pCi/L	11/18/24 09:43	12/10/24 08:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*11/18/24 09:43*	*12/10/24 08:11*	*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	**1.36**		0.602	0.615	1.00	0.816	pCi/L	11/18/24 09:46	12/04/24 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:49*	*1*
Y Carrier	*82.2*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:49*	*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	**1.51**		0.616	0.629	5.00	0.816	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-047
Date Collected: 11/06/24 10:36
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-45
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	**0.151**		0.0893	0.0903	1.00	0.115	pCi/L	11/18/24 09:43	12/10/24 08:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*11/18/24 09:43*	*12/10/24 08:11*	*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	**1.45**		0.413	0.434	1.00	0.441	pCi/L	11/18/24 09:46	12/04/24 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:50*	*1*
Y Carrier	*88.2*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.60**		0.423	0.443	5.00	0.441	pCi/L		12/15/24 11:38	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-048
Date Collected: 11/04/24 11:57
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-46
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	0.240		0.115	0.117	1.00	0.141	pCi/L	11/18/24 09:43	12/10/24 08:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*11/18/24 09:43*	*12/10/24 08:11*	*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	-0.0910	U	0.296	0.296	1.00	0.573	pCi/L	11/18/24 09:46	12/04/24 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:50*	*1*
Y Carrier	*86.7*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.240	U	0.318	0.318	5.00	0.573	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-049
Date Collected: 11/04/24 11:06
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-47
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	0.110	U	0.109	0.109	1.00	0.173	pCi/L	11/18/24 09:43	12/10/24 08:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*11/18/24 09:43*	*12/10/24 08:11*	*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	0.199	U	0.341	0.342	1.00	0.583	pCi/L	11/18/24 09:46	12/04/24 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:50*	*1*
Y Carrier	*85.6*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.309	U	0.358	0.359	5.00	0.583	pCi/L		12/15/24 11:38	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-050
Date Collected: 11/04/24 10:40
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-48
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	0.0874	U	0.0799	0.0803	1.00	0.120	pCi/L	11/18/24 09:43	12/10/24 08:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*11/18/24 09:43*	*12/10/24 08:08*	*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	**0.963**		0.471	0.479	1.00	0.651	pCi/L	11/18/24 09:46	12/04/24 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:50*	*1*
Y Carrier	*79.3*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**1.05**		0.478	0.486	5.00	0.651	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-051
Date Collected: 11/04/24 10:21
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-49
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	0.114	U	0.0987	0.0993	1.00	0.151	pCi/L	11/18/24 09:43	12/10/24 08:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*11/18/24 09:43*	*12/10/24 08:08*	*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	0.536	U	0.362	0.366	1.00	0.538	pCi/L	11/18/24 09:46	12/04/24 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:50*	*1*
Y Carrier	*84.1*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.650**		0.375	0.379	5.00	0.538	pCi/L		12/15/24 11:38	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-052
Date Collected: 11/04/24 12:46
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-50
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	0.0428	U	0.0623	0.0624	1.00	0.107	pCi/L	11/18/24 09:43	12/10/24 08:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*11/18/24 09:43*	*12/10/24 08:11*	*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	0.403	U	0.336	0.338	1.00	0.523	pCi/L	11/18/24 09:46	12/04/24 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:50*	*1*
Y Carrier	*86.0*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:50*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.446	U	0.342	0.344	5.00	0.523	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-053
Date Collected: 11/04/24 13:40
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-51
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	0.0857	U	0.0814	0.0818	1.00	0.125	pCi/L	11/18/24 09:43	12/10/24 08:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*30 - 110*	*11/18/24 09:43*	*12/10/24 08:11*	*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	-0.239	U	0.295	0.296	1.00	0.635	pCi/L	11/18/24 09:46	12/04/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:51*	*1*
Y Carrier	*78.1*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0857	U	0.306	0.307	5.00	0.635	pCi/L		12/15/24 11:38	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-054
Date Collected: 11/06/24 09:59
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-52
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	0.289		0.134	0.136	1.00	0.146	pCi/L	11/18/24 09:43	12/10/24 10:10	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110	11/18/24 09:43	12/10/24 10:10	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.54		0.751	0.819	1.00	0.689	pCi/L	11/18/24 09:46	12/04/24 11:51	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110	11/18/24 09:46	12/04/24 11:51	1
Y Carrier	84.5		30 - 110	11/18/24 09:46	12/04/24 11:51	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	3.83		0.763	0.830	5.00	0.689	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-055
Date Collected: 11/06/24 09:22
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-53
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	0.126		0.0846	0.0854	1.00	0.113	pCi/L	11/18/24 09:43	12/10/24 10:10	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110	11/18/24 09:43	12/10/24 10:10	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	0.0157	U	0.278	0.278	1.00	0.520	pCi/L	11/18/24 09:46	12/04/24 11:51	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110	11/18/24 09:46	12/04/24 11:51	1
Y Carrier	87.1		30 - 110	11/18/24 09:46	12/04/24 11:51	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.141	U	0.291	0.291	5.00	0.520	pCi/L		12/15/24 11:38	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-056
Date Collected: 10/30/24 14:10
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-54
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	0.203	U	0.148	0.149	1.00	0.219	pCi/L	11/18/24 09:43	12/10/24 10:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*11/18/24 09:43*	*12/10/24 10:10*	*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	**0.735**		0.487	0.491	1.00	0.726	pCi/L	11/18/24 09:46	12/04/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:51*	*1*
Y Carrier	*86.0*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.938**		0.509	0.513	5.00	0.726	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-057
Date Collected: 11/07/24 12:55
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-55
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	0.0185	U	0.0840	0.0840	1.00	0.159	pCi/L	11/18/24 09:43	12/10/24 10:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.2*		*30 - 110*	*11/18/24 09:43*	*12/10/24 10:10*	*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	0.596	U	0.406	0.410	1.00	0.609	pCi/L	11/18/24 09:46	12/04/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.2*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:51*	*1*
Y Carrier	*85.6*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.615**		0.415	0.419	5.00	0.609	pCi/L		12/15/24 11:38	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-058
Date Collected: 10/29/24 12:33
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-56
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	0.0982	U	0.0787	0.0792	1.00	0.112	pCi/L	11/18/24 09:43	12/10/24 10:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*11/18/24 09:43*	*12/10/24 10:09*	*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	0.439	U	0.337	0.339	1.00	0.513	pCi/L	11/18/24 09:46	12/04/24 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.5*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:51*	*1*
Y Carrier	*87.5*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:51*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.537**		0.346	0.348	5.00	0.513	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-059
Date Collected: 10/31/24 10:53
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-57
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	**0.302**		0.118	0.121	1.00	0.120	pCi/L	11/18/24 09:43	12/10/24 10:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*11/18/24 09:43*	*12/10/24 10:09*	*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	0.275	U	0.340	0.341	1.00	0.563	pCi/L	11/18/24 09:46	12/04/24 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.5*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:52*	*1*
Y Carrier	*78.1*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:52*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	**0.576**		0.360	0.362	5.00	0.563	pCi/L		12/15/24 11:38	1

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-060
Date Collected: 11/07/24 13:18
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-58
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	0.0733	U	0.0666	0.0670	1.00	0.0983	pCi/L	11/18/24 09:43	12/10/24 10:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*11/18/24 09:43*	*12/10/24 10:09*	*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	0.0374	U	0.321	0.321	1.00	0.589	pCi/L	11/18/24 09:46	12/04/24 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.8*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:56*	*1*
Y Carrier	*82.2*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:56*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.111	U	0.328	0.328	5.00	0.589	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-061
Date Collected: 10/30/24 14:10
Date Received: 11/14/24 12:30

Lab Sample ID: 160-56264-59
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	**0.325**		0.140	0.143	1.00	0.151	pCi/L	11/18/24 09:43	12/10/24 10:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*11/18/24 09:43*	*12/10/24 10:11*	*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	0.170	U	0.483	0.483	1.00	0.849	pCi/L	11/18/24 09:46	12/04/24 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.4*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:56*	*1*
Y Carrier	*82.6*		*30 - 110*	*11/18/24 09:46*	*12/04/24 11:56*	*1*

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.495	U	0.503	0.504	5.00	0.849	pCi/L		12/15/24 11:38	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-689149/1-A
Matrix: Water
Analysis Batch: 692927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689149

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.001743	U	0.0776	0.0776	1.00	0.154	pCi/L	11/18/24 09:39	12/10/24 20:06	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.4*		*30 - 110*	*11/18/24 09:39*	*12/10/24 20:06*	*1*

Lab Sample ID: LCS 160-689149/2-A
Matrix: Water
Analysis Batch: 692927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689149

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.866		0.981	1.00	0.160	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*85.3*		*30 - 110*

Lab Sample ID: MB 160-689151/1-A
Matrix: Water
Analysis Batch: 692926

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689151

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01816	U	0.0595	0.0595	1.00	0.114	pCi/L	11/18/24 09:43	12/10/24 08:11	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.7*		*30 - 110*	*11/18/24 09:43*	*12/10/24 08:11*	*1*

Lab Sample ID: LCS 160-689151/2-A
Matrix: Water
Analysis Batch: 692926

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689151

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.652		1.04	1.00	0.120	pCi/L	101	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.9*		*30 - 110*

Lab Sample ID: 160-56264-48 DU
Matrix: Water
Analysis Batch: 692849

Client Sample ID: 24101590-050
Prep Type: Total/NA
Prep Batch: 689151

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0874	U		0.07573	U	0.100	1.00	0.167	pCi/L			0.06	1

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 160-56264-48 DU
Matrix: Water
Analysis Batch: 692849

Client Sample ID: 24101590-050
Prep Type: Total/NA
Prep Batch: 689151

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	87.8		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-689150/1-A
Matrix: Water
Analysis Batch: 691990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689150

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2221	U	0.236	0.236	1.00	0.535	pCi/L	11/18/24 09:42	12/05/24 12:08	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110	11/18/24 09:42	12/05/24 12:08	1
Y Carrier	80.7		30 - 110	11/18/24 09:42	12/05/24 12:08	1

Lab Sample ID: LCS 160-689150/2-A
Matrix: Water
Analysis Batch: 691990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689150

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.29	9.021		1.30	1.00	0.608	pCi/L	109	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	85.3		30 - 110
Y Carrier	80.4		30 - 110

Lab Sample ID: MB 160-689152/1-A
Matrix: Water
Analysis Batch: 691855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689152

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2650	U	0.296	0.297	1.00	0.484	pCi/L	11/18/24 09:46	12/04/24 11:49	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.7		30 - 110	11/18/24 09:46	12/04/24 11:49	1
Y Carrier	85.2		30 - 110	11/18/24 09:46	12/04/24 11:49	1

Lab Sample ID: LCS 160-689152/2-A
Matrix: Water
Analysis Batch: 691855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689152

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.29	9.524		1.27	1.00	0.474	pCi/L	115	75 - 125		

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-689152/2-A
Matrix: Water
Analysis Batch: 691855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689152

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.9		30 - 110
Y Carrier	88.2		30 - 110

Lab Sample ID: 160-56264-48 DU
Matrix: Water
Analysis Batch: 691855

Client Sample ID: 24101590-050
Prep Type: Total/NA
Prep Batch: 689152

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.963			1.398		0.471	1.00	0.514	pCi/L			0.46	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	87.8		30 - 110
Y Carrier	83.0		30 - 110

Rad

Prep Batch: 689149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-40	24101590-042	Total/NA	Water	PrecSep-21	
MB 160-689149/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-689149/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 689150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-40	24101590-042	Total/NA	Water	PrecSep_0	
MB 160-689150/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-689150/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 689151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-41	24101590-043	Total/NA	Water	PrecSep-21	
160-56264-42	24101590-044	Total/NA	Water	PrecSep-21	
160-56264-43	24101590-045	Total/NA	Water	PrecSep-21	
160-56264-44	24101590-046	Total/NA	Water	PrecSep-21	
160-56264-45	24101590-047	Total/NA	Water	PrecSep-21	
160-56264-46	24101590-048	Total/NA	Water	PrecSep-21	
160-56264-47	24101590-049	Total/NA	Water	PrecSep-21	
160-56264-48	24101590-050	Total/NA	Water	PrecSep-21	
160-56264-49	24101590-051	Total/NA	Water	PrecSep-21	
160-56264-50	24101590-052	Total/NA	Water	PrecSep-21	
160-56264-51	24101590-053	Total/NA	Water	PrecSep-21	
160-56264-52	24101590-054	Total/NA	Water	PrecSep-21	
160-56264-53	24101590-055	Total/NA	Water	PrecSep-21	
160-56264-54	24101590-056	Total/NA	Water	PrecSep-21	
160-56264-55	24101590-057	Total/NA	Water	PrecSep-21	
160-56264-56	24101590-058	Total/NA	Water	PrecSep-21	
160-56264-57	24101590-059	Total/NA	Water	PrecSep-21	
160-56264-58	24101590-060	Total/NA	Water	PrecSep-21	
160-56264-59	24101590-061	Total/NA	Water	PrecSep-21	
MB 160-689151/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-689151/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-56264-48 DU	24101590-050	Total/NA	Water	PrecSep-21	

Prep Batch: 689152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-41	24101590-043	Total/NA	Water	PrecSep_0	
160-56264-42	24101590-044	Total/NA	Water	PrecSep_0	
160-56264-43	24101590-045	Total/NA	Water	PrecSep_0	
160-56264-44	24101590-046	Total/NA	Water	PrecSep_0	
160-56264-45	24101590-047	Total/NA	Water	PrecSep_0	
160-56264-46	24101590-048	Total/NA	Water	PrecSep_0	
160-56264-47	24101590-049	Total/NA	Water	PrecSep_0	
160-56264-48	24101590-050	Total/NA	Water	PrecSep_0	
160-56264-49	24101590-051	Total/NA	Water	PrecSep_0	
160-56264-50	24101590-052	Total/NA	Water	PrecSep_0	
160-56264-51	24101590-053	Total/NA	Water	PrecSep_0	
160-56264-52	24101590-054	Total/NA	Water	PrecSep_0	
160-56264-53	24101590-055	Total/NA	Water	PrecSep_0	
160-56264-54	24101590-056	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 689152 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-55	24101590-057	Total/NA	Water	PrecSep_0	
160-56264-56	24101590-058	Total/NA	Water	PrecSep_0	
160-56264-57	24101590-059	Total/NA	Water	PrecSep_0	
160-56264-58	24101590-060	Total/NA	Water	PrecSep_0	
160-56264-59	24101590-061	Total/NA	Water	PrecSep_0	
MB 160-689152/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-689152/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-56264-48 DU	24101590-050	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-3
SDG: 24101590

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)
160-56264-40	24101590-042	89.9
160-56264-41	24101590-043	86.8
160-56264-42	24101590-044	94.7
160-56264-43	24101590-045	88.3
160-56264-44	24101590-046	88.1
160-56264-45	24101590-047	98.7
160-56264-46	24101590-048	91.9
160-56264-47	24101590-049	90.9
160-56264-48	24101590-050	84.0
160-56264-48 DU	24101590-050	87.8
160-56264-49	24101590-051	90.9
160-56264-50	24101590-052	89.3
160-56264-51	24101590-053	81.5
160-56264-52	24101590-054	89.3
160-56264-53	24101590-055	89.8
160-56264-54	24101590-056	87.8
160-56264-55	24101590-057	80.2
160-56264-56	24101590-058	83.5
160-56264-57	24101590-059	85.5
160-56264-58	24101590-060	88.8
160-56264-59	24101590-061	92.4
LCS 160-689149/2-A	Lab Control Sample	85.3
LCS 160-689151/2-A	Lab Control Sample	93.9
MB 160-689149/1-A	Method Blank	88.4
MB 160-689151/1-A	Method Blank	96.7

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)	Y (30-110)
160-56264-40	24101590-042	89.9	86.4
160-56264-41	24101590-043	86.8	83.4
160-56264-42	24101590-044	94.7	82.6
160-56264-43	24101590-045	88.3	84.1
160-56264-44	24101590-046	88.1	82.2
160-56264-45	24101590-047	98.7	88.2
160-56264-46	24101590-048	91.9	86.7
160-56264-47	24101590-049	90.9	85.6
160-56264-48	24101590-050	84.0	79.3
160-56264-48 DU	24101590-050	87.8	83.0
160-56264-49	24101590-051	90.9	84.1
160-56264-50	24101590-052	89.3	86.0
160-56264-51	24101590-053	81.5	78.1
160-56264-52	24101590-054	89.3	84.5
160-56264-53	24101590-055	89.8	87.1

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-56264-3
SDG: 24101590

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)
160-56264-54	24101590-056	87.8	86.0
160-56264-55	24101590-057	80.2	85.6
160-56264-56	24101590-058	83.5	87.5
160-56264-57	24101590-059	85.5	78.1
160-56264-58	24101590-060	88.8	82.2
160-56264-59	24101590-061	92.4	82.6
LCS 160-689150/2-A	Lab Control Sample	85.3	80.4
LCS 160-689152/2-A	Lab Control Sample	93.9	88.2
MB 160-689150/1-A	Method Blank	88.4	80.7
MB 160-689152/1-A	Method Blank	96.7	85.2

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	AP2D
Project Location:	Coffeen, Illinois	**Sample ID:**	001
W.O. Number (s):	24101589	**Date (s):**	11/7/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 57 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 12:30
Static Water Level: 20.48 feet below TOC
Total Depth: 35.43 feet below TOC
Water Column: 14.95 feet

Purging Activities

Purged By: BG Purge Date: 11/7/2024
Purge Method: Peristaltic Pump Well Diameter: 4"
Purge Volume Calculation (L): 14.954 ft. x 0.022 = 0.33 L x 3 Vol. = 0.99 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: Slight Color: CLEAR

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:30	0.0	267	purge start time						
12:36	1.6	↓	6.85	1,786.70	15.40	1.48	5.40	4.73	
12:39	2.4		6.76	1,801.50	15.56	1.34	-9.70	5.78	
12:42	3.2		6.76	1,817.80	15.45	1.27	-25.20	6.89	
12:45	4.0		6.76	1,831.30	15.27	1.23	-35.70	6.65	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/7/2024 12:45
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.76 pH 1,831.30 Spec. Cond. 15.27 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 20.76 feet below TOC Drawdown: 0.28 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 11/7/2024

Field Data Sheet

Project Name: COF- 24Q4 | **Monitoring Point:** G1001
Project Location: Coffeen, Illinois | **Sample ID:** 002
W.O. Number (s): 24101589 | **Date (s):** 11/7/2024

Field Team Members

Name: Brett Gillihan | Affiliation: TekLab, Inc.
Name: Danny Crump | Affiliation: TekLab, Inc.

Weather Conditions

Temp: 56 °F | Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 10:58
Static Water Level: 5.62 feet below TOC
Total Depth: 13.79 feet below TOC
Water Column: 8.17 feet

Purging Activities

Purged By: BG | Purge Date: 11/7/2024
Purge Method: Peristaltic Pump | Well Diameter: 2"
Purge Volume Calculation (L): 8.17 ft. x 0.022 = 0.18 L x 3 Vol. = 0.54 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear | Odor: Strong | Color: CLEAR

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:58	0.0	125	purge start time						
11:03	0.6	↓	6.62	1,671.80	17.19	6.73	-77.90	17.46	
11:06	1.0		6.74	1,665.00	17.16	7.65	-78.30	17.12	
11:09	1.4		6.84	1,650.20	17.08	8.19	-77.20	19.03	
11:12	1.8		6.99	1,644.00	17.22	8.62	-82.90	23.70	
11:15	2.1		6.90	1,516.10	16.60	6.81	-75.20	32.28	
11:18	2.5		6.89	1,153.10	16.68	5.08	-62.50	23.99	

Sampling Activities

Sampled By: BG | Sample Date/Time: 11/7/2024 11:18
Sample Method: Low Flow | Sample Equipment: Peristaltic Pump
Sample Parameters: 6.89 pH | 1,153.10 Spec. Cond. | 16.68 Temp
Field Filtered: No | Filter Type:
Water Level: 5.73 feet below TOC | Drawdown: 0.11 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan | **Date:** 11/7/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: G1003
Sample ID: 003
Date (s): 11/7/2024

Field Team Members

Name: No member found on Data Tab — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 56 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☑ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 11:44
Static Water Level: - feet below TOC
Total Depth: 11.15 feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: — Purge Date:
Purge Method: — Well Diameter: 2"
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: — Odor: — Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0	-	purge start time						

Sampling Activities

Sampled By: — Sample Date/Time:
Sample Method: — Sample Equipment:
Sample Parameters: pH — Spec. Cond. — Temp
Field Filtered: — Filter Type:
Water Level: feet below TOC — Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: N/A
- Dry; no sample collected

Form Completed By: Brett Gillis — **Date:** 11/7/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G101
Project Location:	Coffeen, Illinois	**Sample ID:**	004
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 9:10
Static Water Level: 9.38 feet below TOC
Total Depth: 24.30 feet below TOC
Water Column: 14.92 feet

Purging Activities

Purged By: JC — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 14.92 ft. x 0.022 = 0.33 L x 3 Vol. = 0.99 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:11	0.0	160	purge start time						
9:18	1.1	↓	7.15	843.40	15.73	3.52	127.40	36.14	
9:21	1.6		7.16	840.30	15.66	2.73	123.00	38.68	
9:24	2.1		7.16	837.90	15.64	2.31	118.70	44.02	
9:27	2.6		7.16	836.30	15.63	2.06	114.50	46.70	
9:30	3.0		7.16	836.10	15.62	1.89	110.30	42.62	
9:33	3.5		7.16	834.80	15.62	1.77	106.30	51.51	
9:36	4.0		7.16	834.20	15.63	1.69	102.30	49.55	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/31/2024 9:36
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.16 pH — 834.20 Spec. Cond. — 15.63 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 9.45 feet below TOC — Drawdown: 0.07 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/31/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: G102
Sample ID: 005
Date (s): 10/31/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 9:39
Static Water Level: 9.31 feet below TOC
Total Depth: 20.00 feet below TOC
Water Column: 10.69 feet

Purging Activities

Purged By: JC — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 10.69 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:41	0.0	194	purge start time						
9:53	2.3	↓	7.10	720.10	17.08	2.25	89.90	1.10	
9:56	2.9		7.09	716.70	17.08	2.13	88.40	0.77	
9:59	3.5		7.09	712.90	17.09	2.06	86.70	0.55	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/31/2024 9:59
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.09 pH — 712.90 Spec. Cond. — 17.09 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 9.66 feet below TOC — Drawdown: 0.35 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G103
Project Location:	Coffeen, Illinois	**Sample ID:**	006
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 76 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 11:41

Static Water Level: 14.35 feet below TOC
Total Depth: 26.90 feet below TOC
Water Column: 12.55 feet

Purging Activities

Purged By: JC Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.55 ft. x 0.022 = 0.28 L x 3 Vol. = 0.84 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:42	0.0	208	purge start time						
11:48	1.3	↓	7.16	845.50	17.98	3.15	25.80	7.71	
11:51	1.9		7.15	843.40	18.00	2.49	27.90	11.89	
11:54	2.5		7.14	841.30	18.08	2.12	28.90	18.86	
11:57	3.1		7.13	840.10	18.10	1.86	30.10	25.27	
12:00	3.8		7.13	839.80	18.10	1.69	30.90	34.75	
12:03	4.4		7.12	839.20	18.14	1.54	30.50	36.97	
12:06	5.0		7.12	839.60	18.14	1.42	28.90	43.36	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/30/2024 12:06
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.12 pH 839.60 Spec. Cond. 18.14 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.08 feet below TOC Drawdown: 1.73 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G105
Project Location:	Coffeen, Illinois	**Sample ID:**	007
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 77 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 12:08

Static Water Level: 12.42 feet below TOC
Total Depth: 27.70 feet below TOC
Water Column: 15.28 feet

Purging Activities

Purged By: JC — Purge Date: 10/30/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 15.28 ft. x 0.022 = 0.34 L x 3 Vol. = 1.02 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:09	0.0	231	purge start time						
12:14	1.2	↓	7.41	757.60	18.47	4.20	34.70	31.53	
12:17	1.8		7.34	739.40	18.48	3.51	36.30	190.65	
12:20	2.5		7.32	736.40	18.58	3.21	36.90	322.92	
12:23	3.2		7.32	737.30	18.58	2.96	36.10	418.99	
12:26	3.9		7.32	738.80	18.59	2.74	35.20	491.98	
12:29	4.6		7.33	740.80	18.52	2.58	34.20	416.11	
12:32	5.3		7.34	740.70	18.54	2.44	33.10	270.58	
12:35	6.0		7.36	739.10	18.46	2.35	32.00	247.43	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/30/2024 12:35
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.36 pH — 739.10 Spec. Cond. — 18.46 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 13.82 feet below TOC — Drawdown: 1.40 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G106
Project Location:	Coffeen, Illinois	**Sample ID:**	008
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 79 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 13:14

Static Water Level: 13.62 feet below TOC
Total Depth: 25.60 feet below TOC
Water Column: 11.98 feet

Purging Activities

Purged By: JC — Purge Date: 10/30/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 11.98 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:14	0.0	167	purge start time						
13:20	1.0	↓	7.06	836.40	18.94	4.16	-29.60	12.68	
13:23	1.5		7.06	838.50	19.44	3.45	-30.00	14.94	
13:26	2.0		7.05	837.50	19.58	3.19	-26.30	17.47	
13:29	2.5		7.05	837.60	19.53	3.05	-22.80	20.39	
13:32	3.0		7.05	836.60	19.57	2.98	-20.30	21.82	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/30/2024 13:32
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.05 pH — 836.60 Spec. Cond. — 19.57 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 16.24 feet below TOC — Drawdown: 2.62 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/30/2024

Field Data Sheet

Project Name: COF- 24Q4 | **Monitoring Point:** G107
Project Location: Coffeen, Illinois | **Sample ID:** 009
W.O. Number (s): 24101589 | **Date (s):** 10/30/2024

Field Team Members

Name: Justin Colp | Affiliation: TekLab, Inc.
Name: | Affiliation:

Weather Conditions

Temp: 79 °F | Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 13:33
Static Water Level: 14.75 feet below TOC
Total Depth: 22.70 feet below TOC
Water Column: 7.95 feet

Purging Activities

Purged By: JC | Purge Date: 10/30/2024
Purge Method: Bladder Pump | Well Diameter: 2"
Purge Volume Calculation (L): 7.95 ft. x 0.022 = 0.17 L x 3 Vol. = 0.51 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear | Odor: None | Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:34	0.0	250	purge start time						
13:37	0.8	↓	7.19	750.70	18.58	3.64	-4.20	15.28	
13:40	1.5		7.19	751.90	19.63	2.91	-1.60	15.77	
13:43	2.3		7.20	753.60	20.09	2.92	3.70	19.44	
13:46	3.0		7.19	752.50	20.04	2.88	7.50	18.55	

Sampling Activities

Sampled By: JC | Sample Date/Time: 10/30/2024 13:46
Sample Method: Low Flow | Sample Equipment: Bladder Pump
Sample Parameters: 7.19 pH | 752.50 Spec. Cond. | 20.04 Temp
Field Filtered: Yes | Filter Type: Inline Disposable
Water Level: 15.20 feet below TOC | Drawdown: 0.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp | **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G108
Project Location:	Coffeen, Illinois	**Sample ID:**	010
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 9:17

Static Water Level: 14.35 feet below TOC
Total Depth: 26.60 feet below TOC
Water Column: 12.25 feet

Purging Activities

Purged By: JC — Purge Date: 10/29/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 12.25 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:18	0.0	269	purge start time						
9:23	1.4	↓	6.93	738.10	17.27	3.63	-34.40	16.06	
9:26	2.2		6.86	735.40	17.31	2.88	-12.30	24.03	
9:29	3.0		6.87	734.10	17.49	2.47	-0.60	32.85	
9:32	3.8		6.87	733.00	17.50	2.17	10.10	45.25	
9:35	4.6		6.87	732.40	17.49	1.93	17.80	55.50	
9:38	5.4		6.87	731.50	17.47	1.77	24.30	70.15	
9:41	6.2		6.87	730.90	17.47	1.65	29.00	73.24	
9:44	7.0		6.87	730.40	17.47	1.56	31.30	85.83	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/29/2024 9:44
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.87 pH — 730.40 Spec. Cond. — 17.47 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 16.30 feet below TOC — Drawdown: 1.95 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G109
Project Location:	Coffeen, Illinois	**Sample ID:**	011
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 9:48
Static Water Level: 14.53 feet below TOC
Total Depth: 26.30 feet below TOC
Water Column: 11.77 feet

Purging Activities

Purged By: JC Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.77 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: Moderate Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:48	0.0	294	purge start time						
9:53	1.5	↓	6.84	920.70	17.32	2.69	-76.70	33.02	
9:56	2.4		6.85	920.90	17.46	1.90	-62.30	41.54	
9:59	3.2		6.85	920.90	17.46	1.58	-54.60	46.98	
10:02	4.1		6.84	920.20	17.50	1.41	-48.40	54.49	
10:05	5.0		6.84	919.40	17.43	1.30	-43.50	62.07	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/29/2024 10:05
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.84 pH 919.40 Spec. Cond. 17.43 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.31 feet below TOC Drawdown: 0.78 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G110
Project Location:	Coffeen, Illinois	**Sample ID:**	012
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 70 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 10:12

Static Water Level: 14.87 feet below TOC
Total Depth: 27.50 feet below TOC
Water Column: 12.63 feet

Purging Activities

Purged By: JC — Purge Date: 10/29/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 12.63 ft. x 0.022 = 0.28 L x 3 Vol. = 0.84 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: Slight — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:12	0.0	190	purge start time						
10:18	1.1	↓	6.78	887.90	17.71	2.50	-28.60	54.23	
10:21	1.7		6.79	886.40	18.08	1.89	-24.90	26.10	
10:24	2.3		6.79	889.90	18.93	1.61	-21.90	24.79	
10:27	2.9		6.80	888.00	19.23	1.46	-19.70	34.90	
10:30	3.4		6.81	888.50	19.10	1.36	-22.80	28.52	
10:33	4.0		6.82	891.00	19.07	1.27	-23.60	24.36	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/29/2024 10:33
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.82 pH — 891.00 Spec. Cond. — 19.07 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 15.38 feet below TOC — Drawdown: 0.51 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G111
Project Location:	Coffeen, Illinois	**Sample ID:**	013
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 71 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 10:34

Static Water Level: 15.73 feet below TOC
Total Depth: 24.30 feet below TOC
Water Column: 8.57 feet

Purging Activities

Purged By: JC — Purge Date: 10/29/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 8.57 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: Slight — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:34	0.0	227	purge start time						
10:41	1.6	↓	7.07	862.20	18.22	2.58	-26.50	0.19	
10:44	2.3		7.06	845.50	18.31	1.91	-10.00	0.69	
10:47	3.0		7.05	843.40	18.36	1.58	0.50	1.15	
10:50	3.6		7.05	843.20	18.40	1.39	6.30	1.78	
10:53	4.3		7.04	843.70	18.40	1.28	11.00	2.90	
10:56	5.0		7.04	843.40	18.42	1.18	14.50	4.66	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/29/2024 10:56
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.04 pH — 843.40 Spec. Cond. — 18.42 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 16.18 feet below TOC — Drawdown: 0.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G119
Project Location:	Coffeen, Illinois	**Sample ID:**	014
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 77 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 12:20

Static Water Level: 16.61 feet below TOC
Total Depth: 27.40 feet below TOC
Water Column: 10.79 feet

Purging Activities

Purged By: JC — Purge Date: 10/29/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 10.79 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:21	0.0	231	purge start time						
12:26	1.2	↓	7.26	698.40	17.90	4.04	12.90	10.50	
12:29	1.9		7.24	702.00	18.03	3.34	16.30	11.69	
12:32	2.6		7.24	703.90	17.99	2.54	15.20	14.39	
12:35	3.2		7.23	704.00	17.96	2.10	14.30	17.65	
12:38	3.9		7.23	703.90	17.86	1.78	13.20	21.55	
12:41	4.6		7.23	702.80	17.89	1.59	13.40	26.76	
12:44	5.3		7.23	702.50	17.81	1.46	10.50	27.71	
12:47	6.0		7.23	701.40	17.87	1.36	7.00	32.40	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/29/2024 12:47
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.23 pH — 701.40 Spec. Cond. — 17.87 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 17.82 feet below TOC — Drawdown: 1.21 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G120
Project Location:	Coffeen, Illinois	**Sample ID:**	015
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 78 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 12:48
Static Water Level: 17.19 feet below TOC
Total Depth: 26.70 feet below TOC
Water Column: 9.51 feet

Purging Activities

Purged By: JC — Purge Date: 10/29/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 9.51 ft. x 0.022 = 0.21 L x 3 Vol. = 0.63 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:49	0.0	211	purge start time						
12:56	1.5	↓	7.08	864.70	18.18	5.16	62.30	19.09	
12:59	2.1		7.09	859.60	18.27	5.34	61.40	20.45	
13:02	2.7		7.08	858.30	18.34	5.59	62.50	23.64	
13:05	3.4		7.06	866.20	18.30	5.66	63.70	23.37	
13:08	4.0		7.06	867.70	18.31	5.63	61.10	23.74	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/29/2024 13:08
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.06 pH — 867.70 Spec. Cond. — 18.31 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 19.09 feet below TOC — Drawdown: 1.90 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G121
Project Location:	Coffeen, Illinois	**Sample ID:**	016
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 79 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 13:08

Static Water Level: 19.81 feet below TOC
Total Depth: 29.10 feet below TOC
Water Column: 9.29 feet

Purging Activities

Purged By: JC — Purge Date: 10/29/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 9.29 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:10	0.0	225	purge start time						
13:15	1.2	↓	7.02	942.20	17.63	4.28	68.80	3.32	
13:18	1.8		7.01	942.70	17.69	3.44	67.10	2.84	
13:21	2.5		7.02	941.70	17.71	3.32	66.80	4.31	
13:24	3.2		6.99	950.10	17.79	3.93	68.50	5.49	
13:27	3.9		6.98	956.70	17.80	4.35	67.60	4.36	
13:30	4.5		6.98	955.30	17.80	4.36	65.50	3.18	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/29/2024 13:30
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.98 pH — 955.30 Spec. Cond. — 17.80 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 21.04 feet below TOC — Drawdown: 1.23 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G122
Project Location:	Coffeen, Illinois	**Sample ID:**	017
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 79 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 13:31
Static Water Level: 20.01 feet below TOC
Total Depth: 26.50 feet below TOC
Water Column: 6.49 feet

Purging Activities

Purged By: JC Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 6.49 ft. x 0.022 = 0.14 L x 3 Vol. = 0.42 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 9.00 L
Physical appearance of purge water: Cloudy Odor: None Color: lt brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:33	0.0	225	purge start time						
13:37	0.9	↓	6.96	1,127.10	17.25	4.34	77.40	120.96	
13:40	1.6		6.91	1,109.40	17.12	4.33	77.80	53.82	
13:43	2.2		6.89	1,105.50	17.89	4.15	75.40	44.46	
13:46	2.9		6.88	1,106.20	17.91	3.66	71.00	45.79	
13:49	3.6		6.87	1,106.70	17.72	3.15	69.30	40.97	
13:52	4.3		6.87	1,104.20	17.68	2.58	69.60	42.52	
13:55	4.9		6.88	1,101.70	17.76	2.13	69.10	50.37	
13:58	5.6		6.90	1,100.10	17.79	1.85	68.10	109.46	
14:01	6.3		6.92	1,107.70	17.71	1.59	66.70	105.99	
14:04	7.0		6.94	1,112.60	17.61	1.41	64.70	102.17	
14:07	7.6		6.95	1,115.20	17.64	1.29	62.80	102.55	
14:10	8.3		6.95	1,116.90	17.62	1.20	61.20	95.07	
14:13	9.0		6.96	1,113.80	17.60	1.14	60.00	91.69	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/29/2024 14:13
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.96 pH 1,113.80 Spec. Cond. 17.60 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: T.O.P. feet below TOC Drawdown: N/A feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: [signature] **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G123
Project Location:	Coffeen, Illinois	**Sample ID:**	018
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: Brett Gillihan — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 13:10

Static Water Level: 17.94 feet below TOC
Total Depth: 30.90 feet below TOC
Water Column: 12.96 feet

Purging Activities

Purged By: TAC — Purge Date: 11/4/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 12.96 ft. x 0.022 = 0.29 L x 3 Vol. = 0.87 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:10	0.0	207	purge start time						
13:24	2.9	↓	7.06	844.30	16.80	3.80	89.90	22.25	
13:27	3.5		7.04	854.40	16.72	3.12	87.20	14.26	
13:30	4.1		7.02	859.20	16.67	2.62	84.60	7.31	
13:33	4.8		7.01	860.30	16.67	2.29	82.00	7.55	
13:36	5.4		7.01	861.10	16.67	2.08	79.20	1.55	
13:39	6.0		7.01	861.30	16.68	1.93	76.30	1.96	

Sampling Activities

Sampled By: TAC — Sample Date/Time: 11/4/2024 13:39
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 7.01 pH — 861.30 Spec. Cond. — 16.68 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 18.33 feet below TOC — Drawdown: 0.39 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By: Tracy Carroll — **Date:** 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G124
Project Location:	Coffeen, Illinois	**Sample ID:**	019
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 73 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 10:52
Static Water Level: 19.90 feet below TOC
Total Depth: 26.70 feet below TOC
Water Column: 6.80 feet

Purging Activities

Purged By: JC — Purge Date: 10/30/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 6.8 ft. x 0.022 = 0.15 L x 3 Vol. = 0.45 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:53	0.0	150	purge start time						
11:00	1.1	↓	7.11	869.70	17.83	3.78	38.10	28.85	
11:03	1.5		7.08	881.80	17.82	3.68	42.80	18.47	
11:06	2.0		7.08	889.20	17.85	3.54	45.50	11.51	
11:09	2.4		7.08	892.90	17.80	3.31	46.50	8.75	
11:12	2.9		7.09	891.70	17.81	3.04	46.40	8.41	
11:15	3.3		7.09	891.80	17.81	2.78	45.70	8.56	
11:18	3.8		7.09	894.90	17.75	2.56	44.90	7.76	
11:21	4.2		7.10	893.60	17.74	2.35	43.80	9.95	
11:24	4.7		7.11	889.00	17.75	2.15	42.40	10.67	
11:27	5.1		7.11	885.10	17.78	1.97	40.80	16.00	
11:30	5.6		7.12	883.40	17.74	1.82	39.30	13.03	
11:33	6.0		7.12	880.50	17.78	1.70	37.50	10.33	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/30/2024 11:33
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.12 pH — 880.50 Spec. Cond. — 17.78 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 21.55 feet below TOC — Drawdown: 1.65 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G125
Project Location:	Coffeen, Illinois	**Sample ID:**	020
W.O. Number (s):	24101589	**Date (s):**	11/6/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 9:51
Static Water Level: 18.51 feet below TOC
Total Depth: 26.70 feet below TOC
Water Column: 8.19 feet

Purging Activities

Purged By: TAC Purge Date: 11/6/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 8.19 ft. x 0.022 = 0.18 L x 3 Vol. = 0.54 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:00	0.0	182	purge start time						
10:10	1.8	↓	7.22	813.60	16.47	3.56	96.30	12.02	
10:13	2.4		7.18	811.30	16.45	3.42	98.90	9.58	
10:16	2.9		7.16	810.80	16.38	3.29	98.70	8.28	
10:19	3.5		7.16	809.90	16.49	3.20	96.70	7.41	
10:22	4.0		7.16	808.50	16.37	3.06	94.50	6.35	

Sampling Activities

Sampled By: TAC Sample Date/Time: 11/6/2024 10:22
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.16 pH 808.50 Spec. Cond. 16.37 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 20.26 feet below TOC Drawdown: 1.75 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By: Tracy Carroll **Date:** 11/6/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G126
Project Location:	Coffeen, Illinois	**Sample ID:**	021
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 73 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 10:57
Static Water Level: 11.94 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 8.46 feet

Purging Activities

Purged By: JC — Purge Date: 10/29/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 8.46 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear — Odor: Moderate — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:58	0.0	250	purge start time						
11:03	1.3	↓	7.08	865.40	17.88	2.31	-117.20	8.73	
11:06	2.0		7.06	847.10	18.03	1.81	-94.70	15.57	
11:09	2.8		7.06	837.90	18.07	1.80	-76.30	17.83	
11:12	3.5		7.06	839.20	18.12	1.76	-67.40	19.30	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/29/2024 11:12
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.06 pH — 839.20 Spec. Cond. — 18.12 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 12.52 feet below TOC — Drawdown: 0.58 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G151
Project Location:	Coffeen, Illinois	**Sample ID:**	022
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 66 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 8:41

Static Water Level: 12.72 feet below TOC
Total Depth: 23.60 feet below TOC
Water Column: 10.88 feet

Purging Activities

Purged By: JC — Purge Date: 10/30/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 10.88 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 9.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:41	0.0	257	purge start time						
8:50	2.2	↓	7.02	910.50	17.63	4.35	-146.40	11.63	
8:53	3.0		7.05	879.90	17.62	3.66	-123.50	16.97	
8:56	3.8		7.06	872.00	17.57	3.36	-105.90	31.67	
8:59	4.5		7.04	868.80	17.63	3.31	-91.70	50.97	
9:02	5.3		7.05	868.30	17.65	3.18	-84.80	78.09	
9:04	5.9		7.05	868.30	17.64	2.90	-81.30	103.53	
9:07	6.7		7.06	864.30	17.93	2.67	-76.50	108.44	
9:10	7.5		7.07	865.40	17.92	2.49	-72.80	126.88	
9:13	8.2		7.07	865.60	17.91	2.36	-68.50	126.06	
9:16	9.0		7.07	866.10	17.89	2.27	-65.90	123.63	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/30/2024 9:16
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.07 pH — 866.10 Spec. Cond. — 17.89 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 13.80 feet below TOC — Drawdown: 1.08 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G152
Project Location:	Coffeen, Illinois	**Sample ID:**	023
W.O. Number (s):	24101589	**Date (s):**	11/6/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 11:01
Static Water Level: 11.31 feet below TOC
Total Depth: 22.00 feet below TOC
Water Column: 10.69 feet

Purging Activities

Purged By: TAC Purge Date: 11/6/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.69 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.50 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:01	0.0	224	purge start time						
11:18	3.8	↓	7.11	758.70	16.38	2.30	71.80	31.05	
11:21	4.5		7.12	752.20	16.37	2.25	67.30	26.79	
11:24	5.2		7.12	744.70	16.40	2.24	63.20	24.07	
11:27	5.8		7.13	736.00	16.39	2.30	60.20	23.97	
11:30	6.5		7.15	730.20	16.38	2.50	57.70	22.90	

Sampling Activities

Sampled By: TAC Sample Date/Time: 11/6/2024 11:30
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.15 pH 730.20 Spec. Cond. 16.38 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.34 feet below TOC Drawdown: 4.03 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By: Tracy Carroll **Date:** 11/6/2024

Field Data Sheet

Project Name: COF- 24Q4 | **Monitoring Point:** G153
Project Location: Coffeen, Illinois | **Sample ID:** 024
W.O. Number (s): 24101589 | **Date (s):** 10/30/2024

Field Team Members

Name: Justin Colp | Affiliation: TekLab, Inc.
Name: | Affiliation:

Weather Conditions

Temp: 71 °F | Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 10:23
Static Water Level: 15.38 feet below TOC
Total Depth: 23.90 feet below TOC
Water Column: 8.52 feet

Purging Activities

Purged By: JC | Purge Date: 10/30/2024
Purge Method: Bladder Pump | Well Diameter: 2"
Purge Volume Calculation (L): 8.52 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Slightly cloudy | Odor: None | Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:24	0.0	167	purge start time						
10:33	1.5	↓	6.70	3,843.50	17.69	2.28	-65.00	92.89	
10:36	2.0		6.71	3,771.20	17.71	1.85	-50.20	51.87	
10:39	2.5		6.73	3,745.90	17.69	1.68	-39.20	33.50	
10:42	3.0		6.74	3,735.20	17.70	1.61	-30.50	28.87	
10:45	3.5		6.74	3,728.60	17.73	1.60	-24.50	24.60	

Sampling Activities

Sampled By: JC | Sample Date/Time: 10/30/2024 10:45
Sample Method: Low Flow | Sample Equipment: Bladder Pump
Sample Parameters: 6.74 pH | 3,728.60 Spec. Cond. | 17.73 Temp
Field Filtered: Yes | Filter Type: Inline Disposable
Water Level: 16.55 feet below TOC | Drawdown: 1.17 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp | **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G154
Project Location:	Coffeen, Illinois	**Sample ID:**	025
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 70 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 9:55

Static Water Level: 16.75 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 6.05 feet

Purging Activities

Purged By: JC — Purge Date: 10/30/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 6.05 ft. x 0.022 = 0.13 L x 3 Vol. = 0.39 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:57	0.0	167	purge start time						
10:09	2.0	↓	7.27	632.30	17.91	2.39	12.80	218.07	
10:12	2.5		7.28	632.40	17.90	2.25	12.30	106.83	
10:15	3.0		7.30	632.40	17.90	2.17	12.00	57.93	
10:18	3.5		7.31	631.70	17.97	2.12	11.70	45.48	
10:21	4.0		7.32	632.00	18.01	2.10	11.80	34.21	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/30/2024 10:21
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.32 pH — 632.00 Spec. Cond. — 18.01 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 16.89 feet below TOC — Drawdown: 0.14 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G155
Project Location:	Coffeen, Illinois	**Sample ID:**	026
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 68 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 9:20

Static Water Level: 14.78 feet below TOC
Total Depth: 26.20 feet below TOC
Water Column: 11.42 feet

Purging Activities

Purged By: JC Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.42 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:21	0.0	200	purge start time						
9:33	2.4	↓	7.06	998.10	18.42	2.15	-52.60	607.70	
9:36	3.0		7.08	972.70	18.42	2.34	-38.00	349.23	
9:39	3.6		7.10	960.30	18.44	2.45	-27.70	245.32	
9:42	4.2		7.11	949.60	18.44	2.54	-20.80	209.21	
9:45	4.8		7.12	942.50	18.45	2.64	-15.70	172.94	
9:48	5.4		7.13	938.30	18.47	2.63	-12.40	139.35	
9:51	6.0		7.13	935.80	18.48	2.52	-10.70	128.50	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/30/2024 9:51
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.13 pH 935.80 Spec. Cond. 18.48 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 17.04 feet below TOC Drawdown: 2.26 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G200
Project Location:	Coffeen, Illinois	**Sample ID:**	027
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 77 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 12:05
Static Water Level: 6.22 feet below TOC
Total Depth: 20.70 feet below TOC
Water Column: 14.48 feet

Purging Activities

Purged By: BG Purge Date: 10/29/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.48 ft. x 0.022 = 0.32 L x 3 Vol. = 0.96 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:05	0.0	89	purge start time						
12:24	1.7	↓	6.98	804.80	21.22	3.44	-7.60	4.65	
12:27	2.0		6.90	813.30	21.29	2.51	-10.40	4.36	
12:30	2.3		6.88	815.40	21.26	2.06	-12.30	4.40	
12:33	2.5		6.87	815.70	21.42	1.87	-14.20	5.03	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/29/2024 12:33
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.87 pH 815.70 Spec. Cond. 21.42 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.33 feet below TOC Drawdown: 0.11 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 10/29/2024

Field Data Sheet

Project Name: COF- 24Q4 | **Monitoring Point:** G206
Project Location: Coffeen, Illinois | **Sample ID:** 028
W.O. Number (s): 24101589 | **Date (s):** 10/31/2024

Field Team Members

Name: Justin Colp | Affiliation: TekLab, Inc.
Name: Danny Crump | Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F | Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 13:53
Static Water Level: 16.00 feet below TOC
Total Depth: 26.30 feet below TOC
Water Column: 10.30 feet

Purging Activities

Purged By: JC | Purge Date: 10/31/2024
Purge Method: Bladder Pump | Well Diameter: 2"
Purge Volume Calculation (L): 10.3 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear | Odor: None | Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:54	0.0	194	purge start time						
13:57	0.6	↓	7.10	836.10	16.73	2.65	-178.80	1.81	
14:00	1.2		7.10	834.60	17.02	1.60	-191.50	2.68	
14:03	1.8		7.10	834.80	17.05	1.25	-199.80	4.46	
14:06	2.3		7.10	834.10	17.06	1.09	-205.00	7.28	
14:09	2.9		7.10	833.10	17.05	1.00	-208.10	13.44	
14:12	3.5		7.09	832.90	17.04	0.94	-209.30	14.75	

Sampling Activities

Sampled By: JC | Sample Date/Time: 10/31/2024 14:12
Sample Method: Low Flow | Sample Equipment: Bladder Pump
Sample Parameters: 7.09 pH | 832.90 Spec. Cond. | 17.04 Temp
Field Filtered: Yes | Filter Type: Inline Disposable
Water Level: 17.20 feet below TOC | Drawdown: 1.20 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp | **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G206D
Project Location:	Coffeen, Illinois	**Sample ID:**	029
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 13:27

Static Water Level: 26.92 feet below TOC
Total Depth: 62.12 feet below TOC
Water Column: 35.20 feet

Purging Activities

Purged By: JC — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 35.2 ft. x 0.022 = 0.77 L x 3 Vol. = 2.31 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:29	0.0	261	purge start time						
13:34	1.3	↓	7.19	918.10	15.66	3.14	-141.20	2.07	
13:37	2.1		7.23	915.80	15.50	2.11	-156.50	2.48	
13:40	2.9		7.26	913.70	15.49	1.66	-165.00	4.05	
13:43	3.7		7.27	913.10	15.45	1.40	-169.10	10.51	
13:46	4.4		7.28	911.70	15.45	1.24	-171.40	19.10	
13:49	5.2		7.28	910.50	15.43	1.14	-172.80	34.41	
13:52	6.0		7.28	909.90	15.45	1.06	-173.60	49.27	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/31/2024 13:52
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.28 pH — 909.90 Spec. Cond. — 15.45 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 30.67 feet below TOC — Drawdown: 3.75 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G207
Project Location:	Coffeen, Illinois	**Sample ID:**	030
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: Brett Gillihan — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 12:02

Static Water Level: 15.89 feet below TOC
Total Depth: 26.60 feet below TOC
Water Column: 10.71 feet

Purging Activities

Purged By: TAC — Purge Date: 11/4/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 10.71 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:02	0.0	261	purge start time						
12:10	2.1	↓	7.19	564.50	17.03	2.76	108.00	14.53	
12:13	2.9		7.11	564.90	17.02	2.45	108.10	7.43	
12:16	3.7		7.04	566.00	17.01	2.28	107.10	2.42	
12:19	4.4		7.01	566.90	16.98	2.13	101.20	1.09	
12:22	5.2		6.98	566.60	16.94	1.99	87.60	1.94	
12:25	6.0		6.96	567.50	16.91	1.87	72.00	0.06	

Sampling Activities

Sampled By: TAC — Sample Date/Time: 11/4/2024 12:25
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.96 pH — 567.50 Spec. Cond. — 16.91 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 19.58 feet below TOC — Drawdown: 3.69 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By: Tracy Carroll — Date: 11/4/2024

Field Data Sheet

Project Name: COF- 24Q4 | **Monitoring Point:** G208
Project Location: Coffeen, Illinois | **Sample ID:** 031
W.O. Number (s): 24101589 | **Date (s):** 10/31/2024

Field Team Members

Name: Justin Colp | Affiliation: TekLab, Inc.
Name: Danny Crump | Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F | Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 13:05
Static Water Level: 17.62 feet below TOC
Total Depth: 26.60 feet below TOC
Water Column: 8.98 feet

Purging Activities

Purged By: JC | Purge Date: 10/31/2024
Purge Method: Bladder Pump | Well Diameter: 2"
Purge Volume Calculation (L): 8.98 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear | Odor: None | Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:06	0.0	250	purge start time						
13:11	1.3	↓	7.24	538.50	17.07	3.60	-4.50	3.96	
13:14	2.0		7.21	537.10	17.02	2.67	3.20	7.90	
13:17	2.8		7.20	534.50	17.00	2.77	11.10	14.23	
13:20	3.5		7.21	533.80	17.00	2.75	16.30	19.23	

Sampling Activities

Sampled By: JC | Sample Date/Time: 10/31/2024 13:20
Sample Method: Low Flow | Sample Equipment: Bladder Pump
Sample Parameters: 7.21 pH | 533.80 Spec. Cond. | 17.00 Temp
Field Filtered: Yes | Filter Type: Inline Disposable
Water Level: 18.81 feet below TOC | Drawdown: 1.19 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp | **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G209
Project Location:	Coffeen, Illinois	**Sample ID:**	032
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 12:44

Static Water Level: 15.20 feet below TOC
Total Depth: 25.50 feet below TOC
Water Column: 10.30 feet

Purging Activities

Purged By: JC — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 10.3 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:44	0.0	175	purge start time						
12:49	0.9	↓	6.86	1,192.20	17.04	2.82	-83.50	4.76	
12:52	1.4		6.87	1,192.40	16.97	1.78	-85.20	7.40	
12:55	2.0		6.86	1,191.20	16.89	1.40	-84.90	6.86	
12:58	2.5		6.85	1,191.10	16.82	1.22	-85.30	6.09	
13:01	3.0		6.85	1,191.00	16.83	1.11	-86.30	5.49	
13:04	3.5		6.85	1,191.20	16.83	1.04	-86.10	5.81	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/31/2024 13:04
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.85 pH — 1,191.20 Spec. Cond. — 16.83 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 16.44 feet below TOC — Drawdown: 1.24 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G210
Project Location:	Coffeen, Illinois	**Sample ID:**	033
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 12:15
Static Water Level: 15.22 feet below TOC
Total Depth: 25.00 feet below TOC
Water Column: 9.78 feet

Purging Activities

Purged By: JC — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 9.78 ft. x 0.022 = 0.22 L x 3 Vol. = 0.66 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:16	0.0	160	purge start time						
12:23	1.1	↓	7.16	826.40	16.91	3.04	-45.70	24.94	
12:26	1.6		7.15	829.40	16.86	2.08	-49.40	18.36	
12:29	2.1		7.15	829.30	16.82	1.65	-51.00	15.86	
12:32	2.6		7.15	829.00	16.85	1.43	-56.60	11.90	
12:35	3.0		7.14	828.90	16.85	1.29	-62.60	9.09	
12:38	3.5		7.14	828.70	16.85	1.19	-67.70	8.23	
12:41	4.0		7.14	829.10	16.85	1.12	-71.30	7.03	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/31/2024 12:41
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.14 pH — 829.10 Spec. Cond. — 16.85 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 15.48 feet below TOC — Drawdown: 0.26 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G211
Project Location:	Coffeen, Illinois	**Sample ID:**	034
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 66 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 11:47
Static Water Level: 15.40 feet below TOC
Total Depth: 26.30 feet below TOC
Water Column: 10.90 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.9 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:48	0.0	222	purge start time						
11:54	1.3	↓	7.13	779.30	16.83	2.40	-35.20	67.36	
11:57	2.0		7.13	776.40	16.86	1.75	-24.80	35.60	
12:00	2.7		7.13	774.90	16.91	1.49	-17.20	28.73	
12:03	3.3		7.13	774.60	16.91	1.37	-11.00	25.45	
12:06	4.0		7.13	774.20	16.89	1.31	-6.00	23.86	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 12:06
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.13 pH 774.20 Spec. Cond. 16.89 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.45 feet below TOC Drawdown: 1.05 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G212
Project Location:	Coffeen, Illinois	**Sample ID:**	035
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Tracy Carroll — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 10:41

Static Water Level: 17.14 feet below TOC
Total Depth: 82.00 feet below TOC
Water Column: 64.86 feet

Purging Activities

Purged By: BG — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 64.86 ft. x 0.022 = 1.43 L x 3 Vol. = 4.29 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:41	0.0	208	purge start time						
10:50	1.9	↓	6.70	642.60	16.86	0.80	14.40	85.65	
10:53	2.5		6.70	643.40	16.82	0.71	14.00	89.39	
10:56	3.1		6.71	644.40	16.78	0.65	13.60	92.80	
10:59	3.7		6.72	645.90	16.75	0.63	13.30	97.98	
11:02	4.4		6.72	646.80	16.75	0.61	13.10	103.96	
11:05	5.0		6.73	647.30	16.72	0.59	12.90	103.95	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/31/2024 11:05
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.73 pH — 647.30 Spec. Cond. — 16.72 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 16.43 feet below TOC — Drawdown: -0.71 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G213
Project Location:	Coffeen, Illinois	**Sample ID:**	036
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Tracy Carroll — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 11:15

Static Water Level: 16.61 feet below TOC
Total Depth: 82.00 feet below TOC
Water Column: 65.39 feet

Purging Activities

Purged By: BG — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 65.39 ft. x 0.022 = 1.44 L x 3 Vol. = 4.32 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:15	0.0	227	purge start time						
11:22	1.6	↓	6.67	620.80	16.63	0.79	18.20	91.30	
11:25	2.3		6.66	621.90	16.65	0.66	18.90	93.63	
11:28	3.0		6.66	623.10	16.62	0.61	20.00	100.46	
11:31	3.6		6.66	624.20	16.59	0.58	21.10	126.38	
11:34	4.3		6.67	625.80	16.58	0.56	22.60	137.98	
11:37	5.0		6.67	626.90	16.56	0.54	23.90	164.43	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/31/2024 11:37
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.67 pH — 626.90 Spec. Cond. — 16.56 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 16.98 feet below TOC — Drawdown: 0.37 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G214
Project Location:	Coffeen, Illinois	**Sample ID:**	037
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 11:48
Static Water Level: 18.68 feet below TOC
Total Depth: 26.50 feet below TOC
Water Column: 7.82 feet

Purging Activities

Purged By: BG Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 7.82 ft. x 0.022 = 0.17 L x 3 Vol. = 0.51 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:48	0.0	393	purge start time						
11:50	0.8	↓	6.83	981.50	16.64	5.28	55.80	5.77	
11:53	2.0		6.69	992.30	16.86	1.74	49.10	8.05	
11:56	3.1		6.67	960.20	16.88	1.03	45.40	10.24	
11:59	4.3		6.67	951.20	16.92	0.97	43.60	11.29	
12:02	5.5		6.67	947.80	16.99	0.99	42.80	11.97	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/31/2024 12:02
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.67 pH 947.80 Spec. Cond. 16.99 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 19.63 feet below TOC Drawdown: 0.95 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G215
Project Location:	Coffeen, Illinois	**Sample ID:**	038
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 11:18

Static Water Level: 18.00 feet below TOC
Total Depth: 26.90 feet below TOC
Water Column: 8.90 feet

Purging Activities

Purged By: JC — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 8.9 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:19	0.0	205	purge start time						
11:26	1.4	↓	6.79	1,730.40	16.62	2.19	-30.20	55.81	
11:29	2.0		6.79	1,729.00	16.60	1.78	-31.60	55.75	
11:32	2.7		6.79	1,728.70	16.51	1.56	-32.90	59.96	
11:35	3.3		6.79	1,727.40	16.49	1.43	-33.90	71.14	
11:38	3.9		6.79	1,727.10	16.49	1.34	-34.80	49.56	
11:41	4.5		6.79	1,727.60	16.48	1.28	-35.50	64.51	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/31/2024 11:41
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.79 pH — 1,727.60 Spec. Cond. — 16.48 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 18.45 feet below TOC — Drawdown: 0.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G216
Project Location:	Coffeen, Illinois	**Sample ID:**	039
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 10:54
Static Water Level: 17.43 feet below TOC
Total Depth: 28.50 feet below TOC
Water Column: 11.07 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.07 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:55	0.0	190	purge start time						
11:04	1.7	↓	6.82	2,157.30	16.35	2.38	-80.10	17.52	
11:07	2.3		6.81	2,158.80	16.35	2.16	-76.90	17.06	
11:10	2.9		6.81	2,158.60	16.34	2.06	-78.00	45.31	
11:13	3.4		6.81	2,156.80	16.35	1.94	-77.70	20.76	
11:16	4.0		6.82	2,158.90	16.38	1.93	-77.10	27.60	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 11:16
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.82 pH 2,158.90 Spec. Cond. 16.38 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 18.25 feet below TOC Drawdown: 0.82 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G217
Project Location:	Coffeen, Illinois	**Sample ID:**	040
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 10:27

Static Water Level: 18.86 feet below TOC
Total Depth: 28.40 feet below TOC
Water Column: 9.54 feet

Purging Activities

Purged By: JC — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 9.54 ft. x 0.022 = 0.21 L x 3 Vol. = 0.63 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:28	0.0	200	purge start time						
10:35	1.4	↓	6.73	1,702.90	16.33	2.58	-88.70	5.01	
10:38	2.0		6.73	1,694.60	16.33	1.96	-87.40	19.91	
10:41	2.6		6.73	1,690.30	16.31	1.63	-86.40	29.89	
10:44	3.2		6.73	1,687.40	16.28	1.42	-86.00	38.38	
10:47	3.8		6.73	1,685.90	16.30	1.28	-87.80	62.74	
10:50	4.4		6.73	1,689.90	16.28	1.18	-89.00	58.01	
10:53	5.0		6.73	1,689.50	16.28	1.12	-89.90	72.85	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/31/2024 10:53
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.73 pH — 1,689.50 Spec. Cond. — 16.28 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 19.10 feet below TOC — Drawdown: 0.24 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G218
Project Location:	Coffeen, Illinois	**Sample ID:**	041
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 10:02
Static Water Level: 17.05 feet below TOC
Total Depth: 28.50 feet below TOC
Water Column: 11.45 feet

Purging Activities

Purged By: JC — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 11.45 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:03	0.0	182	purge start time						
10:10	1.3	↓	6.69	1,672.90	16.37	2.54	-136.40	20.50	
10:13	1.8		6.70	1,677.80	16.32	1.84	-142.70	15.51	
10:16	2.4		6.70	1,688.90	16.27	1.54	-145.10	15.11	
10:19	2.9		6.71	1,696.50	16.25	1.36	-145.00	14.75	
10:22	3.5		6.71	1,700.70	16.24	1.24	-148.40	16.50	
10:25	4.0		6.72	1,702.20	16.23	1.16	-149.40	20.31	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/31/2024 10:25
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.72 pH — 1,702.20 Spec. Cond. — 16.23 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 17.48 feet below TOC — Drawdown: 0.43 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G219
Project Location:	Coffeen, Illinois	**Sample ID:**	042
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 9:55
Static Water Level: 9.04 feet below TOC
Total Depth: 18.51 feet below TOC
Water Column: 9.47 feet

Purging Activities

Purged By: BG Purge Date: 10/31/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 9.47 ft. x 0.022 = 0.21 L x 3 Vol. = 0.63 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:55	0.0	167	purge start time						
10:07	2.0	↓	6.63	757.20	16.14	4.92	-80.00	15.39	
10:10	2.5		6.65	755.30	16.17	4.94	-65.80	12.80	
10:13	3.0		6.66	755.60	16.19	4.96	-54.70	10.79	
10:16	3.5		6.68	756.00	16.19	4.96	-46.40	8.11	
10:19	4.0		6.69	757.20	16.21	4.95	-40.40	7.05	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/31/2024 10:19
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.69 pH 757.20 Spec. Cond. 16.21 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 9.23 feet below TOC Drawdown: 0.19 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G220
Project Location:	Coffeen, Illinois	**Sample ID:**	043
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 78 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

			Locks	Yes	No
Well Pad	Good		Protective Casing	X	
Casing	Good		Well		X
Protective Casing	Good				
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 12:47
Static Water Level: 13.64 feet below TOC
Total Depth: 27.52 feet below TOC
Water Column: 13.88 feet

Purging Activities

Purged By: BG Purge Date: 10/29/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 13.88 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:47	0.0	143	purge start time						
12:59	1.7	↓	6.73	1,165.20	18.61	1.64	13.10	22.71	
13:02	2.1		6.71	1,169.50	18.60	1.54	16.00	27.11	
13:05	2.6		6.70	1,169.50	18.54	1.44	22.80	32.15	
13:08	3.0		6.69	1,169.80	18.62	1.36	30.80	38.23	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 13:08
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.69 pH 1,169.80 Spec. Cond. 18.62 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 13.73 feet below TOC Drawdown: 0.09 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G270
Project Location:	Coffeen, Illinois	**Sample ID:**	044
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 79 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 13:40

Static Water Level: 11.10 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 9.30 feet

Purging Activities

Purged By: BG — Purge Date: 10/29/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 9.3 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.50 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:40	0.0	310	purge start time						
13:49	2.8	↓	6.84	648.40	16.63	1.81	-73.90	14.00	
13:52	3.8		6.81	646.80	16.78	1.58	-61.40	77.38	
13:55	4.7		6.80	647.50	16.74	1.64	-56.70	40.11	
13:58	5.6		6.79	647.20	16.76	1.43	-51.60	7.30	
14:01	6.5		6.79	647.40	16.75	1.47	-47.10	11.02	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/29/2024 14:01
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.79 pH — 647.40 Spec. Cond. — 16.75 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 11.73 feet below TOC — Drawdown: 0.63 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G271
Project Location:	Coffeen, Illinois	**Sample ID:**	045
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Tracy Carroll — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 14:05

Static Water Level: 12.47 feet below TOC
Total Depth: 18.70 feet below TOC
Water Column: 6.23 feet

Purging Activities

Purged By: BG — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 6.23 ft. x 0.022 = 0.14 L x 3 Vol. = 0.42 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:05	0.0	400	purge start time						
14:11	2.4	↓	7.01	792.40	17.56	5.48	52.00	76.94	
14:14	3.6		6.97	806.10	17.59	5.33	56.90	73.54	
14:17	4.8		6.92	829.50	17.54	4.60	60.50	72.97	
14:20	6.0		6.89	847.30	17.54	4.05	63.10	72.87	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/31/2024 14:20
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.89 pH — 847.30 Spec. Cond. — 17.54 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 12.87 feet below TOC — Drawdown: 0.40 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G272
Project Location:	Coffeen, Illinois	**Sample ID:**	046
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Tracy Carroll — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☑ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 13:32

Static Water Level: 11.96 feet below TOC
Total Depth: 17.40 feet below TOC
Water Column: 5.44 feet

Purging Activities

Purged By: BG — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 5.44 ft. x 0.022 = 0.12 L x 3 Vol. = 0.36 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:32	0.0	227	purge start time						
13:36	0.9	↓	6.91	1,084.20	17.60	2.67	14.80	32.99	
13:39	1.6		6.91	1,077.30	17.70	2.77	22.30	82.64	
13:42	2.3		6.90	1,088.10	17.70	2.60	27.60	18.97	
13:45	3.0		6.87	1,144.70	17.67	2.21	31.80	16.77	
13:48	3.6		6.85	1,187.60	17.68	1.86	35.20	11.63	
13:51	4.3		6.83	1,230.10	17.72	1.75	37.90	9.52	
13:54	5.0		6.82	1,257.90	17.76	1.60	40.10	9.49	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/31/2024 13:54
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.82 pH — 1,257.90 Spec. Cond. — 17.76 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 12.54 feet below TOC — Drawdown: 0.58 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G273
Project Location:	Coffeen, Illinois	**Sample ID:**	047
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Tracy Carroll — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 12:55
Static Water Level: 12.14 feet below TOC
Total Depth: 18.90 feet below TOC
Water Column: 6.76 feet

Purging Activities

Purged By: BG — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 6.76 ft. x 0.022 = 0.15 L x 3 Vol. = 0.45 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:55	0.0	207	purge start time						
13:06	2.3	↓	6.71	1,346.10	17.42	0.72	-28.40	130.67	
13:09	2.9		6.70	1,350.70	17.53	0.76	-23.80	132.53	
13:12	3.5		6.70	1,358.00	17.58	0.72	-20.90	132.70	
13:15	4.1		6.70	1,361.90	17.59	0.65	-23.00	139.17	
13:18	4.8		6.70	1,363.00	17.63	0.62	-25.30	141.96	
13:21	5.4		6.69	1,364.30	17.62	0.61	-25.80	141.42	
13:24	6.0		6.69	1,365.00	17.60	0.59	-25.10	142.39	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/31/2024 13:24
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.69 pH — 1,365.00 Spec. Cond. — 17.60 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 12.43 feet below TOC — Drawdown: 0.29 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G274
Project Location:	Coffeen, Illinois	**Sample ID:**	048
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 9:04
Static Water Level: 15.24 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 5.16 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 5.16 ft. x 0.022 = 0.11 L x 3 Vol. = 0.33 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:04	0.0	308	purge start time						
9:08	1.2	↓	6.63	976.20	18.22	3.73	44.00	7.68	
9:11	2.2		6.57	930.60	17.62	1.75	-8.50	8.07	
9:14	3.1		6.57	948.10	17.62	1.23	-50.40	9.99	
9:17	4.0		6.59	982.10	17.57	0.98	-61.90	8.13	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 9:17
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.59 pH 982.10 Spec. Cond. 17.57 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.69 feet below TOC Drawdown: 0.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G275
Project Location:	Coffeen, Illinois	**Sample ID:**	049
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 69 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 9:55

Static Water Level: 13.30 feet below TOC
Total Depth: 15.30 feet below TOC
Water Column: 2.00 feet

Purging Activities

Purged By: BG — Purge Date: 10/30/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 2 ft. x 0.022 = 0.04 L x 3 Vol. = 0.12 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 1.50 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:55	0.0	167	purge start time						
9:55	0.0	↓	6.82	1,197.40	18.32	4.19	2.20	226.08	
9:58	0.5		6.67	1,233.40	18.92	2.00	-1.70	14.08	
10:01	1.0		6.63	1,246.80	19.10	1.16	-2.30	8.25	
10:04	1.5		6.61	1,247.80	19.25	0.93	4.70	7.30	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/30/2024 10:04
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.61 pH — 1,247.80 Spec. Cond. — 19.25 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: Under pump feet below TOC — Drawdown: N/A feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G275D
Project Location:	Coffeen, Illinois	**Sample ID:**	050
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 69 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 9:30
Static Water Level: 38.09 feet below TOC
Total Depth: 62.70 feet below TOC
Water Column: 24.61 feet

Purging Activities

Purged By: BG — Purge Date: 10/30/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 24.61 ft. x 0.022 = 0.54 L x 3 Vol. = 1.62 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Lt Gray

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:30	0.0	292	purge start time						
9:33	0.9	↓	7.08	1,310.90	18.19	6.29	-3.90	6.41	
9:36	1.8		6.84	1,365.90	16.89	2.42	-135.90	4.89	
9:39	2.7		6.82	1,366.50	16.80	2.36	-141.20	6.27	
9:42	3.5		6.84	1,363.10	17.28	2.44	-144.20	7.49	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/30/2024 9:42
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.84 pH — 1,363.10 Spec. Cond. — 17.28 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 38.73 feet below TOC — Drawdown: 0.64 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G276
Project Location:	Coffeen, Illinois	**Sample ID:**	051
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: Brett Gillihan — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F — Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☑ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 10:50

Static Water Level: 28.33 feet below TOC
Total Depth: 30.90 feet below TOC
Water Column: 2.57 feet

Purging Activities

Purged By: TAC — Purge Date: 11/4/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 2.57 ft. x 0.022 = 0.06 L x 3 Vol. = 0.18 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:55	0.0	97	purge start time						
11:11	1.5	↓	6.77	1,217.50	17.36	4.42	112.00	0.97	
11:14	1.8		6.76	1,215.20	17.33	4.18	111.90	0.35	
11:17	2.1		6.76	1,214.20	17.30	3.94	111.40	-0.10	
11:20	2.4		6.76	1,212.20	17.29	3.76	110.90	-0.33	
11:23	2.7		6.76	1,209.50	17.30	3.64	110.40	-0.46	
11:26	3.0		6.77	1,207.60	17.26	3.55	109.90	-0.60	

Sampling Activities

Sampled By: TAC — Sample Date/Time: 11/4/2024 11:26
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.77 pH — 1,207.60 Spec. Cond. — 17.26 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 29.30 feet below TOC — Drawdown: 0.97 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720
- Well went dry during sampling, partial kit collected

Form Completed By: Tracy Carroll — **Date:** 11/4/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: G277
Sample ID: 052
Date (s): 11/4/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: Brett Gillihan — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F
Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☑ NW
Precipitation: ☐ None ☑ Light ☐ Heavy
Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 10:45
Static Water Level: T.O.P. feet below TOC
Total Depth: 22.30 feet below TOC
Water Column: N/A feet

Purging Activities

Purged By: TC
Purge Date: 11/4/2024
Purge Method: Bladder Pump
Well Diameter: 2"
Purge Volume Calculation (L):
**Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 0.25 L
Physical appearance of purge water:
Odor:
Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:45	0.0		purge start time						

Sampling Activities

Sampled By: TAC
Sample Date/Time:
Sample Method:
Sample Equipment: Bladder Pump
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC
Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: N/A
- Dry; no sample collected

Form Completed By: Tracy Carroll
Date: 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G278
Project Location:	Coffeen, Illinois	**Sample ID:**	053
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 73 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 10:35
Static Water Level: 24.61 feet below TOC
Total Depth: 26.40 feet below TOC
Water Column: 1.79 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 1.79 ft. x 0.022 = 0.04 L x 3 Vol. = 0.12 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: yellow

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:35	0.0	83	purge start time						
10:47	1.0	↓	6.67	5,196.80	21.48	6.00	77.50	5.28	
10:50	1.3		6.69	5,002.30	21.95	6.37	81.60	8.48	
10:53	1.5		6.71	5,222.90	18.40	5.43	83.60	91.41	
10:56	1.7		6.61	5,106.40	18.89	4.57	91.60	184.78	
10:59	2.0		6.59	5,089.20	19.56	4.61	96.10	157.58	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 10:59
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.59 pH 5,089.20 Spec. Cond. 19.56 Temp
Field Filtered: Yes Filter Type:
Water Level: 25.86 feet below TOC Drawdown: 1.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G279
Project Location:	Coffeen, Illinois	**Sample ID:**	054
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 74 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 11:07
Static Water Level: 24.57 feet below TOC
Total Depth: 30.80 feet below TOC
Water Column: 6.23 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 6.23 ft. x 0.022 = 0.14 L x 3 Vol. = 0.42 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:07	0.0	321	purge start time						
11:12	1.6	↓	6.65	4,218.90	18.43	1.28	101.30	20.71	
11:15	2.6		6.51	5,600.20	18.49	0.78	114.10	6.94	
11:18	3.5		6.50	5,783.30	18.44	0.63	117.80	6.01	
11:21	4.5		6.49	5,889.70	18.43	0.57	122.90	4.31	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 11:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.49 pH 5,889.70 Spec. Cond. 18.43 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 25.61 feet below TOC Drawdown: 1.04 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G280
Project Location:	Coffeen, Illinois	**Sample ID:**	055
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 77 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 11:55
Static Water Level: 7.83 feet below TOC
Total Depth: 20.20 feet below TOC
Water Column: 12.37 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.37 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:55	0.0	316	purge start time						
12:05	3.2	↓	7.18	796.10	19.27	0.74	-14.70	69.22	
12:08	4.1		7.15	794.30	19.18	0.65	-4.70	78.69	
12:11	5.1		7.13	792.50	19.24	0.61	1.40	87.36	
12:14	6.0		7.11	791.10	19.23	0.58	6.00	99.39	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 12:14
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.11 pH 791.10 Spec. Cond. 19.23 Temp
Field Filtered: Yes Filter Type:
Water Level: 8.21 feet below TOC Drawdown: 0.38 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G281
Project Location:	Coffeen, Illinois	**Sample ID:**	056
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 79 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 14:00

Static Water Level: 9.39 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 13.41 feet

Purging Activities

Purged By: JC — Purge Date: 10/30/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 13.41 ft. x 0.022 = 0.3 L x 3 Vol. = 0.9 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:03	0.0	227	purge start time						
14:07	0.9	↓	6.97	1,312.90	18.24	3.37	6.20	9.55	
14:10	1.6		6.98	1,307.40	18.07	2.20	1.40	25.72	
14:13	2.3		6.98	1,309.30	18.08	1.69	-1.80	27.03	
14:16	3.0		6.99	1,310.10	18.00	1.43	-4.80	33.68	
14:19	3.6		6.99	1,311.50	17.94	1.26	-8.10	41.55	
14:22	4.3		6.99	1,310.50	17.97	1.15	-11.40	53.64	
14:25	5.0		6.98	1,310.70	17.93	1.07	-13.80	58.28	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/30/2024 14:25
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.98 pH — 1,310.70 Spec. Cond. — 17.93 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 9.48 feet below TOC — Drawdown: 0.09 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G283
Project Location:	Coffeen, Illinois	**Sample ID:**	057
W.O. Number (s):	24101589	**Date (s):**	11/7/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 49 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 11:48
Static Water Level: 2.83 feet below TOC
Total Depth: 20.80 feet below TOC
Water Column: 17.97 feet

Purging Activities

Purged By: BG Purge Date: 11/7/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 17.97 ft. x 0.022 = 0.4 L x 3 Vol. = 1.2 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:48	0.0	196	purge start time						
11:59	2.2	↓	6.89	1,232.30	16.78	1.17	-0.70	12.47	
12:02	2.7		6.84	1,230.00	16.81	0.92	-8.10	10.49	
12:05	3.3		6.83	1,227.90	16.56	0.79	-15.20	14.17	
12:08	3.9		6.83	1,228.80	16.67	0.74	-19.90	12.59	
12:11	4.5		6.82	1,229.70	16.74	0.70	-23.10	12.36	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/7/2024 12:11
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.82 pH 1,229.70 Spec. Cond. 16.74 Temp
Field Filtered: Yes Filter Type:
Water Level: 3.16 feet below TOC Drawdown: 0.33 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 11/7/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G284
Project Location:	Coffeen, Illinois	**Sample ID:**	058
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Tracy Carroll — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 12:17
Static Water Level: 12.03 feet below TOC
Total Depth: 16.30 feet below TOC
Water Column: 4.27 feet

Purging Activities

Purged By: BG — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 4.27 ft. x 0.022 = 0.09 L x 3 Vol. = 0.27 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:17	0.0	167	purge start time						
12:20	0.5	↓	6.94	652.80	17.79	3.71	45.80	39.43	
12:23	1.0		6.88	622.20	17.91	4.68	54.60	31.11	
12:26	1.5		6.85	637.60	18.02	4.48	59.20	25.82	
12:29	2.0		6.82	671.20	18.04	3.54	61.50	24.21	
12:32	2.5		6.80	691.00	18.03	2.79	62.50	27.41	
12:35	3.0		6.79	700.50	18.04	2.30	62.90	25.68	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/31/2024 12:35
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.79 pH — 700.50 Spec. Cond. — 18.04 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 12.87 feet below TOC — Drawdown: 0.84 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 10/31/2024

Field Data Sheet

Project Name: COF- 24Q4 | **Monitoring Point:** G285
Project Location: Coffeen, Illinois | **Sample ID:** 059
W.O. Number (s): 24101589 | **Date (s):** 10/29/2024

Field Team Members

Name: Brett Gillihan | Affiliation: TekLab, Inc.
Name: Payton Yoch | Affiliation: TekLab, Inc.

Weather Conditions

Temp: 74 °F | Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 10:59
Static Water Level: 6.52 feet below TOC
Total Depth: 26.80 feet below TOC
Water Column: 20.28 feet

Purging Activities

Purged By: BG | Purge Date: 10/29/2024
Purge Method: Bladder Pump | Well Diameter: 2"
Purge Volume Calculation (L): 20.28 ft. x 0.022 = 0.45 L x 3 Vol. = 1.35 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear | Odor: None | Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:59	0.0	171	purge start time						
11:25	4.5	↓	6.42	1,895.50	17.33	0.56	-107.70	238.72	
11:28	5.0		6.42	1,895.00	17.24	0.54	-107.90	256.42	
11:31	5.5		6.43	1,895.50	17.31	0.53	-107.30	270.96	
11:34	6.0		6.44	1,899.10	17.41	0.52	-105.90	286.34	

Sampling Activities

Sampled By: BG | Sample Date/Time: 10/29/2024 11:34
Sample Method: Low Flow | Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH | 1,899.10 Spec. Cond. | 17.41 Temp
Field Filtered: Yes | Filter Type: Inline Disposable
Water Level: 5.63 feet below TOC | Drawdown: -0.89 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan | **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G301
Project Location:	Coffeen, Illinois	**Sample ID:**	060
W.O. Number (s):	24101589	**Date (s):**	11/7/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 12:54

Static Water Level: 7.30 feet below TOC
Total Depth: 18.60 feet below TOC
Water Column: 11.30 feet

Purging Activities

Purged By: TAC Purge Date: 11/7/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.3 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:54	0.0	208	purge start time						
13:03	1.9	↓	6.69	991.30	16.61	3.92	140.60	3.90	
13:06	2.5		6.64	983.80	16.55	3.72	145.50	3.69	
13:09	3.1		6.62	979.60	16.75	3.48	147.70	2.69	
13:12	3.7		6.61	978.90	16.75	3.28	148.40	2.31	
13:15	4.4		6.60	972.90	16.68	3.09	148.70	2.41	
13:18	5.0		6.60	972.10	16.73	2.99	148.40	2.35	

Sampling Activities

Sampled By: TAC Sample Date/Time: 11/7/2024 13:18
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.60 pH 972.10 Spec. Cond. 16.73 Temp
Field Filtered: No Filter Type:
Water Level: 8.61 feet below TOC Drawdown: 1.31 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By: Tracy Carroll **Date:** 11/7/2024

Field Data Sheet

Project Name: COF- 24Q4 | **Monitoring Point:** G302
Project Location: Coffeen, Illinois | **Sample ID:** 061
W.O. Number (s): 24101589 | **Date (s):** 11/6/2024

Field Team Members

Name: Justin Colp | Affiliation: TekLab, Inc.
Name: Danny Crump | Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F | Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 11:35
Static Water Level: 8.28 feet below TOC
Total Depth: 20.50 feet below TOC
Water Column: 12.22 feet

Purging Activities

Purged By: JC | Purge Date: 11/6/2024
Purge Method: Bladder Pump | Well Diameter: 2"
Purge Volume Calculation (L): 12.22 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear | Odor: None | Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:36	0.0	182	purge start time						
11:43	1.3	↓	6.57	1,287.80	16.48	2.95	-57.70	6.00	
11:46	1.8		6.56	1,264.70	16.50	2.39	-46.50	8.83	
11:49	2.4		6.56	1,267.40	16.49	2.07	-42.40	10.94	
11:52	2.9		6.56	1,269.00	16.50	1.85	-41.50	13.46	
11:55	3.5		6.56	1,268.40	16.47	1.78	-41.00	16.20	
11:58	4.0		6.56	1,268.20	16.52	1.69	-39.70	19.90	

Sampling Activities

Sampled By: JC | Sample Date/Time: 11/6/2024 11:58
Sample Method: Low Flow | Sample Equipment: Bladder Pump
Sample Parameters: 6.56 pH | 1,268.20 Spec. Cond. | 16.52 Temp
Field Filtered: No | Filter Type:
Water Level: 9.09 feet below TOC | Drawdown: 0.81 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771
-

Form Completed By: Justin Colp | **Date:** 11/6/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G303
Project Location:	Coffeen, Illinois	**Sample ID:**	062
W.O. Number (s):	24101589	**Date (s):**	11/6/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 13:27
Static Water Level: 7.65 feet below TOC
Total Depth: 23.30 feet below TOC
Water Column: 15.65 feet

Purging Activities

Purged By: JC Purge Date: 11/6/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 15.65 ft. x 0.022 = 0.34 L x 3 Vol. = 1.02 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:27	0.0	119	purge start time						
13:36	1.1	↓	6.75	1,639.10	16.45	3.46	-142.80	7.00	
13:39	1.5		6.73	1,634.90	16.30	3.16	-127.60	18.40	
13:42	1.8		6.73	1,628.40	16.23	3.00	-114.20	11.69	
13:45	2.2		6.74	1,622.20	16.17	2.90	-102.40	10.22	
13:48	2.5		6.74	1,612.30	16.12	2.86	-92.10	13.58	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/6/2024 13:48
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.74 pH 1,612.30 Spec. Cond. 16.12 Temp
Field Filtered: No Filter Type:
Water Level: 8.54 feet below TOC Drawdown: 0.89 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp **Date:** 11/6/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G305
Project Location:	Coffeen, Illinois	**Sample ID:**	063
W.O. Number (s):	24101589	**Date (s):**	11/6/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 12:59

Static Water Level: 8.12 feet below TOC
Total Depth: 21.50 feet below TOC
Water Column: 13.38 feet

Purging Activities

Purged By: JC — Purge Date: 11/6/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 13.38 ft. x 0.022 = 0.29 L x 3 Vol. = 0.87 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:59	0.0	286	purge start time						
13:05	1.7	↓	7.06	1,325.60	16.23	2.40	-57.40	2.54	
13:08	2.6		7.06	1,324.60	16.22	1.81	-41.40	2.51	
13:11	3.4		7.06	1,324.80	16.23	1.51	-35.00	2.53	
13:14	4.3		7.06	1,325.10	16.21	1.33	-32.50	2.08	
13:17	5.1		7.05	1,325.80	16.23	1.21	-31.30	1.86	
13:20	6.0		7.06	1,326.20	16.18	1.13	-31.00	1.25	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/6/2024 13:20
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.06 pH — 1,326.20 Spec. Cond. — 16.18 Temp
Field Filtered: No — Filter Type:
Water Level: 8.31 feet below TOC — Drawdown: 0.19 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/6/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G306
Project Location:	Coffeen, Illinois	**Sample ID:**	064
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Tracy Carroll — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 9:58

Static Water Level: 11.06 feet below TOC
Total Depth: 20.90 feet below TOC
Water Column: 9.84 feet

Purging Activities

Purged By: BG — Purge Date: 11/4/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 9.84 ft. x 0.022 = 0.22 L x 3 Vol. = 0.66 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:58	0.0	190	purge start time						
10:10	2.3	↓	6.14	741.20	15.91	0.76	77.70	32.98	
10:13	2.9		6.14	734.30	15.90	0.73	79.80	37.93	
10:16	3.5		6.15	729.00	15.90	0.71	81.80	43.01	
10:19	4.0		6.15	724.50	15.91	0.70	83.80	50.26	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/4/2024 10:19
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.15 pH — 724.50 Spec. Cond. — 15.91 Temp
Field Filtered: No — Filter Type:
Water Level: 11.58 feet below TOC — Drawdown: 0.52 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 11/4/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: G307
Sample ID: 065
Date (s): 11/4/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Tracy Carroll — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 11:04
Static Water Level: 7.05 feet below TOC
Total Depth: 20.60 feet below TOC
Water Column: 13.55 feet

Purging Activities

Purged By: BG — Purge Date: 11/4/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 13.55 ft. x 0.022 = 0.3 L x 3 Vol. = 0.9 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:04	0.0	267	purge start time						
11:13	2.4	↓	6.76	1,059.00	17.50	1.41	-121.70	14.82	
11:16	3.2		6.76	1,063.30	17.52	1.26	-123.20	9.82	
11:19	4.0		6.78	1,070.90	17.52	1.19	-119.70	7.84	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/4/2024 11:19
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.78 pH — 1,070.90 Spec. Cond. — 17.52 Temp
Field Filtered: No — Filter Type:
Water Level: 6.65 feet below TOC — Drawdown: -0.40 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G307D
Project Location:	Coffeen, Illinois	**Sample ID:**	066
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 10:39
Static Water Level: 12.33 feet below TOC
Total Depth: 62.00 feet below TOC
Water Column: 49.67 feet

Purging Activities

Purged By: BG Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 49.67 ft. x 0.022 = 1.09 L x 3 Vol. = 3.27 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:39	0.0	265	purge start time						
10:44	1.3	↓	6.91	1,240.20	16.65	2.44	-89.70	12.04	
10:47	2.1		6.94	1,273.80	16.86	2.25	-99.20	14.67	
10:50	2.9		6.97	1,289.30	16.95	2.04	-103.50	12.00	
10:53	3.7		6.99	1,297.20	17.04	1.90	-105.40	10.62	
10:56	4.5		7.00	1,302.40	17.01	1.81	-105.70	14.41	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/4/2024 10:56
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.00 pH 1,302.40 Spec. Cond. 17.01 Temp
Field Filtered: No Filter Type:
Water Level: 12.37 feet below TOC Drawdown: 0.04 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 11/4/2024

Field Data Sheet

Project Name: COF- 24Q4 | **Monitoring Point:** G308
Project Location: Coffeen, Illinois | **Sample ID:** 067
W.O. Number (s): 24101589 | **Date (s):** 11/4/2024

Field Team Members

Name: Brett Gillihan | Affiliation: TekLab, Inc.
Name: Tracy Carroll | Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F | Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 11:34
Static Water Level: 5.62 feet below TOC
Total Depth: 18.20 feet below TOC
Water Column: 12.58 feet

Purging Activities

Purged By: BG | Purge Date: 11/4/2024
Purge Method: Bladder Pump | Well Diameter: 2"
Purge Volume Calculation (L): 12.58 ft. x 0.022 = 0.28 L x 3 Vol. = 0.84 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear | Odor: None | Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:34	0.0	227	purge start time						
11:41	1.6	↓	6.91	1,682.10	17.08	1.28	-30.00	7.73	
11:44	2.3		6.91	1,681.20	17.07	1.16	-26.50	31.28	
11:47	3.0		6.91	1,685.90	17.08	1.13	-23.10	12.67	
11:50	3.6		6.91	1,681.70	17.06	1.06	-20.00	6.53	
11:53	4.3		6.91	1,681.30	17.06	1.17	-17.20	18.02	
11:56	5.0		6.91	1,680.40	17.06	1.03	-14.80	17.30	

Sampling Activities

Sampled By: BG | Sample Date/Time: 11/4/2024 11:56
Sample Method: Low Flow | Sample Equipment: Bladder Pump
Sample Parameters: 6.91 pH | 1,680.40 Spec. Cond. | 17.06 Temp
Field Filtered: No | Filter Type:
Water Level: 5.86 feet below TOC | Drawdown: 0.24 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan | **Date:** 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G310
Project Location:	Coffeen, Illinois	**Sample ID:**	068
W.O. Number (s):	24101589	**Date (s):**	11/6/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 10:54

Static Water Level: 8.14 feet below TOC
Total Depth: 18.40 feet below TOC
Water Column: 10.26 feet

Purging Activities

Purged By: JC — Purge Date: 11/6/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 10.26 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:55	0.0	173	purge start time						
11:03	1.4	↓	6.88	1,029.10	16.63	2.67	39.60	2.63	
11:06	1.9		6.89	1,029.50	16.59	2.10	38.70	2.64	
11:09	2.4		6.90	1,029.60	16.57	1.80	39.60	2.52	
11:12	3.0		6.90	1,029.50	16.56	1.60	41.80	2.38	
11:15	3.5		6.89	1,029.90	16.59	1.46	43.40	2.12	
11:18	4.0		6.89	1,030.10	16.61	1.36	44.90	1.63	
11:21	4.5		6.90	1,030.10	16.64	1.29	45.80	1.37	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/6/2024 11:21
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.90 pH — 1,030.10 Spec. Cond. — 16.64 Temp
Field Filtered: No — Filter Type:
Water Level: 8.39 feet below TOC — Drawdown: 0.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/6/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G312
Project Location:	Coffeen, Illinois	**Sample ID:**	069
W.O. Number (s):	24101589	**Date (s):**	11/6/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good			
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 12:01
Static Water Level: 8.80 feet below TOC
Total Depth: 17.80 feet below TOC
Water Column: 9.00 feet

Purging Activities

Purged By: JC — Purge Date: 11/6/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 9 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 12.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:02	0.0	240	purge start time						
12:07	1.2	↓	6.86	818.20	16.94	8.24	60.60	3.61	
12:10	1.9		6.72	864.50	16.91	8.06	80.70	3.08	
12:13	2.7		6.62	997.10	16.89	7.29	94.30	3.03	
12:16	3.4		6.51	1,133.20	16.89	6.41	102.70	3.07	
12:19	4.1		6.42	1,281.90	16.89	5.44	108.10	2.64	
12:22	4.8		6.37	1,407.20	16.89	4.60	108.20	2.72	
12:25	5.5		6.35	1,494.60	16.90	4.00	88.70	7.42	
12:28	6.3		6.34	1,561.90	16.89	3.55	63.60	8.96	
12:31	7.0		6.33	1,608.70	16.89	3.21	52.10	15.48	
12:34	7.7		6.32	1,650.00	16.89	2.93	52.90	21.35	
12:37	8.4		6.31	1,679.30	16.88	2.71	60.00	22.18	
12:40	9.1		6.29	1,729.30	16.87	2.49	67.70	24.25	
12:43	9.9		6.29	1,768.10	16.86	2.16	71.60	29.85	
12:46	10.6		6.29	1,773.20	16.86	2.01	74.50	2.72	
12:49	11.3		6.29	1,770.30	16.86	1.94	76.80	2.63	
12:52	12.0		6.29	1,770.60	16.89	1.90	79.10	2.47	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/6/2024 12:52
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.29 pH — 1,770.60 Spec. Cond. — 16.89 Temp
Field Filtered: No — Filter Type:
Water Level: 9.97 feet below TOC — Drawdown: 1.17 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: [signature] — **Date:** 11/6/2024

Field Data Sheet

Project Name: COF- 24Q4 | **Monitoring Point:** G313
Project Location: Coffeen, Illinois | **Sample ID:** 070
W.O. Number (s): 24101589 | **Date (s):** 11/7/2024

Field Team Members

Name: Justin Colp | Affiliation: TekLab, Inc.
Name: | Affiliation:

Weather Conditions

Temp: 56 °F | Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 11:17

Static Water Level: 3.69 feet below TOC
Total Depth: 14.30 feet below TOC
Water Column: 10.61 feet

Purging Activities

Purged By: JC | Purge Date: 11/7/2024
Purge Method: Bladder Pump | Well Diameter: 2"
Purge Volume Calculation (L): 10.61 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear | Odor: None | Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:17	0.0	217	purge start time						
11:25	1.7	↓	6.66	1,398.40	17.18	2.57	43.40	5.08	
11:28	2.4		6.66	1,396.90	17.19	2.14	40.60	7.42	
11:31	3.0		6.66	1,396.80	17.24	1.87	38.40	9.66	
11:34	3.7		6.67	1,398.70	17.19	1.68	37.40	12.02	
11:37	4.3		6.67	1,399.70	17.21	1.55	36.60	16.56	
11:40	5.0		6.67	1,400.90	17.13	1.45	35.90	19.40	

Sampling Activities

Sampled By: JC | Sample Date/Time: 11/7/2024 11:40
Sample Method: Low Flow | Sample Equipment: Bladder Pump
Sample Parameters: 6.67 pH | 1,400.90 Spec. Cond. | 17.13 Temp
Field Filtered: No | Filter Type:
Water Level: 3.91 feet below TOC | Drawdown: 0.22 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp | **Date:** 11/7/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G314
Project Location:	Coffeen, Illinois	**Sample ID:**	071
W.O. Number (s):	24101589	**Date (s):**	11/6/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 13:51
Static Water Level: 6.05 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 16.75 feet

Purging Activities

Purged By: JC — Purge Date: 11/6/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 16.75 ft. x 0.022 = 0.37 L x 3 Vol. = 1.11 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:52	0.0	211	purge start time						
13:56	0.8	↓	6.41	2,968.70	16.52	2.69	-90.90	16.38	
13:59	1.5		6.41	2,975.80	16.59	1.82	-92.60	20.89	
14:02	2.1		6.42	2,976.40	16.64	1.45	-94.40	31.54	
14:05	2.7		6.43	2,976.50	16.71	1.25	-96.10	31.52	
14:08	3.4		6.44	2,976.40	16.75	1.13	-96.50	30.78	
14:11	4.0		6.44	2,977.10	16.76	1.05	-96.10	32.29	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/6/2024 14:11
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH — 2,977.10 Spec. Cond. — 16.76 Temp
Field Filtered: No — Filter Type:
Water Level: 10.11 feet below TOC — Drawdown: 4.06 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/6/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G314D
Project Location:	Coffeen, Illinois	**Sample ID:**	072
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 70 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☑ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 13:30
Static Water Level: 8.56 feet below TOC
Total Depth: 52.30 feet below TOC
Water Column: 43.74 feet

Purging Activities

Purged By: BG Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 43.74 ft. x 0.022 = 0.96 L x 3 Vol. = 2.88 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:30	0.0	150	purge start time						
13:41	1.6	↓	6.69	2,785.30	15.89	0.56	-86.40	425.71	
13:44	2.1		6.69	2,781.00	15.85	0.52	-89.40	149.39	
13:47	2.5		6.69	2,777.50	15.81	0.50	-91.70	228.33	
13:50	3.0		6.69	2,782.50	15.81	0.48	-93.80	317.35	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/4/2024 13:50
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.69 pH 2,782.50 Spec. Cond. 15.81 Temp
Field Filtered: No Filter Type:
Water Level: 8.88 feet below TOC Drawdown: 0.32 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G315
Project Location:	Coffeen, Illinois	**Sample ID:**	073
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Tracy Carroll — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 70 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 13:00
Static Water Level: 3.17 feet below TOC
Total Depth: 17.40 feet below TOC
Water Column: 14.23 feet

Purging Activities

Purged By: BG — Purge Date: 11/4/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 14.23 ft. x 0.022 = 0.31 L x 3 Vol. = 0.93 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:00	0.0	156	purge start time						
13:07	1.1	↓	6.67	1,252.40	16.08	0.93	27.10	9.44	
13:10	1.6		6.64	1,251.60	16.09	0.79	34.40	7.52	
13:13	2.1		6.62	1,251.50	16.09	0.71	39.80	6.61	
13:16	2.5		6.61	1,251.90	16.07	0.66	43.70	5.50	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/4/2024 13:16
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.61 pH — 1,251.90 Spec. Cond. — 16.07 Temp
Field Filtered: No — Filter Type:
Water Level: 3.42 feet below TOC — Drawdown: 0.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G316
Project Location:	Coffeen, Illinois	**Sample ID:**	074
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Tracy Carroll — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 70 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 12:10

Static Water Level: 11.01 feet below TOC
Total Depth: 18.10 feet below TOC
Water Column: 7.09 feet

Purging Activities

Purged By: BG — Purge Date: 11/4/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 7.09 ft. x 0.022 = 0.16 L x 3 Vol. = 0.48 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.50 L
Physical appearance of purge water: Slightly cloudy — Odor: None — Color: Lt Yellow

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:10	0.0	250	purge start time						
12:18	2.0	↓	6.72	1,985.90	16.48	0.96	-113.20	6.28	
12:21	2.7		6.71	1,986.80	16.47	0.82	-114.50	71.84	
12:24	3.5		6.70	1,988.10	16.47	0.66	-114.50	17.34	
12:27	4.2		6.70	1,989.10	16.47	0.68	-115.30	27.82	
12:30	5.0		6.70	1,989.80	16.47	0.73	-115.50	137.21	
12:33	5.7		6.69	1,987.00	16.46	0.83	-115.20	3136.86	
12:36	6.5		7.01	1,986.60	16.64	0.77	-115.60	59.11	

Sampling Activities

Sampled By: BG — Sample Date/Time: 11/4/2024 12:36
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.01 pH — 1,986.60 Spec. Cond. — 16.64 Temp
Field Filtered: No — Filter Type:
Water Level: 11.64 feet below TOC — Drawdown: 0.63 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G401
Project Location:	Coffeen, Illinois	**Sample ID:**	075
W.O. Number (s):	24101589	**Date (s):**	11/6/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 56 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 10:10

Static Water Level: 21.44 feet below TOC
Total Depth: 21.80 feet below TOC
Water Column: 0.36 feet

Purging Activities

Purged By: JC — Purge Date: 11/6/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 0.36 ft. x 0.022 = 0.01 L x 3 Vol. = 0.03 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:12	0.0	83	purge start time						
10:21	0.8	↓	5.54	2,222.60	16.64	2.37	23.80	36.83	
10:24	1.0		5.56	2,224.70	16.63	1.89	20.70	18.44	
10:27	1.3		5.58	2,225.30	16.61	1.62	19.20	9.97	
10:30	1.5		5.59	2,225.20	16.61	1.45	17.90	6.48	
10:33	1.8		5.61	2,225.10	16.63	1.33	16.60	5.10	
10:36	2.0		5.62	2,225.00	16.65	1.24	15.40	4.10	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/6/2024 10:36
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 5.62 pH — 2,225.00 Spec. Cond. — 16.65 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: T.O.P. feet below TOC — Drawdown: N/A feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771
- Total depth= T.O.P.

Form Completed By: Justin Colp — **Date:** 11/6/2024

Field Data Sheet

Project Name: COF- 24Q4 | **Monitoring Point:** G402
Project Location: Coffeen, Illinois | **Sample ID:** 076
W.O. Number (s): 24101589 | **Date (s):** 11/4/2024

Field Team Members

Name: Justin Colp | Affiliation: TekLab, Inc.
Name: Danny Crump | Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F | Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☑ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 11:30
Static Water Level: 11.42 feet below TOC
Total Depth: 23.40 feet below TOC
Water Column: 11.98 feet

Purging Activities

Purged By: JC | Purge Date: 11/4/2024
Purge Method: Bladder Pump | Well Diameter: 2"
Purge Volume Calculation (L): 11.98 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear | Odor: None | Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:31	0.0	192	purge start time						
11:48	3.3	↓	7.02	1,270.30	17.55	8.63	84.20	12.46	
11:51	3.9		7.02	1,272.90	17.55	8.74	87.30	13.98	
11:54	4.5		7.01	1,276.10	17.55	8.77	90.30	15.11	
11:57	5.0		7.01	1,278.30	17.55	8.78	93.20	14.43	

Sampling Activities

Sampled By: JC | Sample Date/Time: 11/4/2024 11:57
Sample Method: Low Flow | Sample Equipment: Bladder Pump
Sample Parameters: 7.01 pH | 1,278.30 Spec. Cond. | 17.55 Temp
Field Filtered: Yes | Filter Type: Inline Disposable
Water Level: 11.87 feet below TOC | Drawdown: 0.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp | **Date:** 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G403
Project Location:	Coffeen, Illinois	**Sample ID:**	077
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 10:41

Static Water Level: 8.48 feet below TOC
Total Depth: 20.80 feet below TOC
Water Column: 12.32 feet

Purging Activities

Purged By: JC — Purge Date: 11/4/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 12.32 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:42	0.0	208	purge start time						
10:48	1.3	↓	6.76	578.30	16.54	3.10	-81.70	10.35	
10:51	1.9		6.72	565.80	16.59	2.19	-61.10	6.95	
10:54	2.5		6.71	560.40	16.63	1.77	-50.80	7.77	
10:57	3.2		6.71	558.90	16.65	1.53	-53.00	9.21	
11:00	3.8		6.71	558.20	16.68	1.37	-75.10	12.18	
11:03	4.4		6.71	557.60	16.66	1.27	-98.30	16.11	
11:06	5.0		6.72	557.40	16.66	1.19	-107.70	20.04	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/4/2024 11:06
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.72 pH — 557.40 Spec. Cond. — 16.66 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 10.91 feet below TOC — Drawdown: 2.43 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G404
Project Location:	Coffeen, Illinois	**Sample ID:**	078
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 10:18
Static Water Level: 5.35 feet below TOC
Total Depth: 14.10 feet below TOC
Water Column: 8.75 feet

Purging Activities

Purged By: JC — Purge Date: 11/4/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 8.75 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:18	0.0	182	purge start time						
10:28	1.8	↓	6.44	1,719.90	17.49	2.39	101.60	5.92	
10:31	2.4		6.43	1,700.50	17.47	1.97	96.50	7.16	
10:34	2.9		6.42	1,690.30	17.46	1.75	91.70	8.10	
10:37	3.5		6.42	1,682.80	17.48	1.61	84.10	9.13	
10:40	4.0		6.42	1,674.10	17.48	1.51	76.20	9.91	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/4/2024 10:40
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.42 pH — 1,674.10 Spec. Cond. — 17.48 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 6.03 feet below TOC — Drawdown: 0.68 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G405
Project Location:	Coffeen, Illinois	**Sample ID:**	079
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 9:57
Static Water Level: 6.05 feet below TOC
Total Depth: 16.40 feet below TOC
Water Column: 10.35 feet

Purging Activities

Purged By: JC — Purge Date: 11/4/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 10.35 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:58	0.0	239	purge start time						
10:06	1.9	↓	6.73	1,490.60	17.70	2.26	-9.10	16.27	
10:09	2.6		6.72	1,511.30	17.69	1.80	-3.10	20.27	
10:12	3.3		6.72	1,519.90	17.69	1.55	-0.90	24.74	
10:15	4.1		6.72	1,524.60	17.69	1.39	0.10	28.96	
10:18	4.8		6.71	1,528.30	17.69	1.28	0.90	34.30	
10:21	5.5		6.71	1,534.80	17.68	1.20	1.10	38.11	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/4/2024 10:21
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.71 pH — 1,534.80 Spec. Cond. — 17.68 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 6.75 feet below TOC — Drawdown: 0.70 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G406
Project Location:	Coffeen, Illinois	**Sample ID:**	080
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 69 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 12:24

Static Water Level: 12.39 feet below TOC
Total Depth: 22.30 feet below TOC
Water Column: 9.91 feet

Purging Activities

Purged By: JC — Purge Date: 11/4/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 9.91 ft. x 0.022 = 0.22 L x 3 Vol. = 0.66 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:25	0.0	214	purge start time						
12:31	1.3	↓	6.40	990.60	17.42	2.91	118.40	2.55	
12:34	1.9		6.39	989.30	17.42	2.16	117.20	2.65	
12:37	2.6		6.39	991.00	17.42	1.79	115.10	2.95	
12:40	3.2		6.39	992.60	17.42	1.56	112.60	3.34	
12:43	3.9		6.39	994.60	17.42	1.41	109.80	3.41	
12:46	4.5		6.39	996.20	17.41	1.30	107.10	4.47	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/4/2024 12:46
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.39 pH — 996.20 Spec. Cond. — 17.41 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 13.05 feet below TOC — Drawdown: 0.66 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G407
Project Location:	Coffeen, Illinois	**Sample ID:**	081
W.O. Number (s):	24101589	**Date (s):**	11/4/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 71 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☑ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 13:17

Static Water Level: 6.52 feet below TOC
Total Depth: 23.00 feet below TOC
Water Column: 16.48 feet

Purging Activities

Purged By: JC — Purge Date: 11/4/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 16.48 ft. x 0.022 = 0.36 L x 3 Vol. = 1.08 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:18	0.0	205	purge start time						
13:25	1.4	↓	6.44	2,366.50	17.20	3.06	25.00	4.30	
13:28	2.0		6.49	2,193.20	17.22	2.33	31.90	4.16	
13:31	2.7		6.54	1,940.30	17.24	1.83	30.50	3.94	
13:34	3.3		6.56	1,792.00	17.26	1.58	29.40	3.73	
13:37	3.9		6.57	1,727.10	17.27	1.47	29.00	2.84	
13:40	4.5		6.57	1,712.20	17.29	1.43	29.20	2.59	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/4/2024 13:40
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.57 pH — 1,712.20 Spec. Cond. — 17.29 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 10.89 feet below TOC — Drawdown: 4.37 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/4/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G410
Project Location:	Coffeen, Illinois	**Sample ID:**	082
W.O. Number (s):	24101589	**Date (s):**	11/6/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 55 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 9:33

Static Water Level: 7.30 feet below TOC
Total Depth: 16.70 feet below TOC
Water Column: 9.40 feet

Purging Activities

Purged By: JC — Purge Date: 11/6/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 9.4 ft. x 0.022 = 0.21 L x 3 Vol. = 0.63 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:34	0.0	200	purge start time						
9:41	1.4	↓	6.43	944.20	17.10	3.05	-15.40	22.23	
9:44	2.0		6.43	909.30	17.11	2.33	-14.50	5.79	
9:47	2.6		6.43	907.70	17.15	1.94	-15.60	2.87	
9:50	3.2		6.44	905.40	17.16	1.70	-16.60	2.33	
9:53	3.8		6.44	900.40	17.16	1.54	-17.20	1.83	
9:56	4.4		6.44	896.30	17.16	1.42	-17.60	1.59	
9:59	5.0		6.43	885.70	17.16	1.34	-16.20	12.07	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/6/2024 9:59
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.43 pH — 885.70 Spec. Cond. — 17.16 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 8.40 feet below TOC — Drawdown: 1.10 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/6/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G411
Project Location:	Coffeen, Illinois	**Sample ID:**	083
W.O. Number (s):	24101589	**Date (s):**	11/6/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 54 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 8:57
Static Water Level: 6.75 feet below TOC
Total Depth: 19.20 feet below TOC
Water Column: 12.45 feet

Purging Activities

Purged By: JC — Purge Date: 11/6/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 12.45 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:58	0.0	208	purge start time						
9:04	1.3	↓	6.97	701.40	16.06	3.35	97.50	2.67	
9:07	1.9		6.98	706.20	16.08	2.63	98.50	2.78	
9:10	2.5		6.99	706.60	16.08	2.22	98.20	2.97	
9:13	3.1		6.99	705.30	16.04	1.96	97.50	3.07	
9:16	3.8		6.99	703.70	16.07	1.77	96.70	6.24	
9:19	4.4		7.00	703.60	16.07	1.63	95.60	18.43	
9:22	5.0		7.00	702.40	16.07	1.53	94.60	23.13	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/6/2024 9:22
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.00 pH — 702.40 Spec. Cond. — 16.07 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 7.21 feet below TOC — Drawdown: 0.46 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/6/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: L201
Sample ID: 084
Date (s): 11/7/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 58 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad:
Casing:
Protective Casing:
Reference Mark/Identification:

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 12:20
Static Water Level: 3.62 feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: JC — Purge Date: 11/7/2024
Purge Method: Direct Grab — Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L): 1.00 L
Physical appearance of purge water: Clear — Odor: Slight — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:20	0.0		purge start time						
12:22	1.0		11.28	10,485.10	16.38	7.82	-77.60	56.05	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/7/2024 12:22
Sample Method: Low Flow — Sample Equipment: Direct Grab
Sample Parameters: 11.28 pH — 10,485.10 Spec. Cond. — 16.38 Temp
Field Filtered: No — Filter Type:
Water Level: - feet below TOC — Drawdown: #VALUE! feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/7/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: NE Riser
Sample ID: 085
Date (s): 11/7/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 54 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad:
Casing:
Protective Casing:
Reference Mark/Identification:

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 10:44
Static Water Level: 19.58 feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: JC — Purge Date: 11/7/2024
Purge Method: Bladder Pump — Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L): 1.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:44	0.0		purge start time						
10:47	1.0		6.47	12,624.90	17.45	4.87	211.70	14.41	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/7/2024 10:47
Sample Method: Direct Sample — Sample Equipment: Bladder Pump
Sample Parameters: 6.47 pH — 12,624.90 Spec. Cond. — 17.45 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: - feet below TOC — Drawdown: N/A feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/7/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	R104
Project Location:	Coffeen, Illinois	**Sample ID:**	086
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 78 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 12:45

Static Water Level: 11.89 feet below TOC
Total Depth: 22.70 feet below TOC
Water Column: 10.81 feet

Purging Activities

Purged By: JC — Purge Date: 10/30/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 10.81 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: Moderate — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:40	0.0	227	purge start time						
12:47	1.7	↓	7.12	819.30	18.39	1.83	-204.40	5.81	
12:50	2.4		7.13	818.10	18.48	1.40	-215.50	9.56	
12:53	3.1		7.15	815.30	18.46	1.22	-222.80	14.95	
12:56	3.7		7.16	813.40	18.37	1.09	-227.40	21.54	
12:59	4.4		7.16	811.80	18.38	0.98	-230.20	28.51	
13:02	5.1		7.18	807.00	18.36	0.93	-229.90	35.49	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/30/2024 13:02
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.18 pH — 807.00 Spec. Cond. — 18.36 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 17.68 feet below TOC — Drawdown: 5.79 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	R201
Project Location:	Coffeen, Illinois	**Sample ID:**	087
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 79 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 13:49
Static Water Level: 6.49 feet below TOC
Total Depth: 22.20 feet below TOC
Water Column: 15.71 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 15.71 ft. x 0.022 = 0.35 L x 3 Vol. = 1.05 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Slightly cloudy Odor: Slight Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:49	0.0	381	purge start time						
13:58	3.4	↓	6.80	1,046.90	17.63	0.54	-103.70	136.67	
14:01	4.6		6.79	1,049.40	17.38	0.51	-102.30	6.60	
14:04	5.7		6.79	1,049.20	17.12	0.48	-100.80	127.52	
14:07	6.9		6.79	1,049.60	17.09	0.46	-100.50	219.63	
14:10	8.0		6.78	1,047.30	17.09	0.46	-99.90	20.89	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 14:10
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.78 pH 1,047.30 Spec. Cond. 17.09 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.58 feet below TOC Drawdown: 0.09 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 10/30/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	R205
Project Location:	Coffeen, Illinois	**Sample ID:**	088
W.O. Number (s):	24101589	**Date (s):**	11/6/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 59 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 12:26

Static Water Level: 6.94 feet below TOC
Total Depth: 19.00 feet below TOC
Water Column: 12.06 feet

Purging Activities

Purged By: TAC — Purge Date: 11/6/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 12.06 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:30	0.0	261	purge start time						
12:35	1.4	↓	7.09	1,161.80	16.46	3.66	225.10	9.47	
12:38	2.1		6.99	1,166.10	16.43	2.82	222.50	7.78	
12:41	2.9		6.94	1,164.00	16.39	2.38	220.20	7.73	
12:44	3.7		6.90	1,159.50	16.38	2.11	217.70	10.84	
12:47	4.5		6.88	1,158.40	16.39	1.91	214.90	13.27	
12:50	5.3		6.87	1,156.40	16.45	1.77	212.30	23.43	
12:53	6.0		6.86	1,154.80	16.49	1.67	209.70	17.40	

Sampling Activities

Sampled By: TAC — Sample Date/Time: 11/6/2024 12:53
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.86 pH — 1,154.80 Spec. Cond. — 16.49 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 7.38 feet below TOC — Drawdown: 0.44 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By: Tracy Carroll — **Date:** 11/6/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: SG-02
Sample ID: 089
Date (s): 10/29/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 78 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad:
Casing:
Protective Casing:
Reference Mark/Identification:

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 9:56
Static Water Level: 6.17 feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: — Purge Date:
Purge Method: — Well Diameter:
Purge Volume Calculation (L): **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L):
Physical appearance of purge water: — Odor: — Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: — Sample Date/Time:
Sample Method: — Sample Equipment:
Sample Parameters: pH — Spec. Cond. — Temp
Field Filtered: — Filter Type:
Water Level: feet below TOC — Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- DTW Only; no sample collected

Form Completed By: Tracy Carroll — **Date:** 10/29/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: SG-03
Sample ID: 090
Date (s): 10/29/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 78 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad:
Casing:
Protective Casing:
Reference Mark/Identification:

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 9:49
Static Water Level: 9.72 feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: — Purge Date:
Purge Method: — Well Diameter:
Purge Volume Calculation (L): **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L):
Physical appearance of purge water: — Odor: — Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: — Sample Date/Time:
Sample Method: — Sample Equipment:
Sample Parameters: pH — Spec. Cond. — Temp
Field Filtered: — Filter Type:
Water Level: feet below TOC — Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- DTW Only; no sample collected

Form Completed By: Tracy Carroll — **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	T127
Project Location:	Coffeen, Illinois	**Sample ID:**	091
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 75 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 11:17

Static Water Level: 16.10 feet below TOC
Total Depth: 21.28 feet below TOC
Water Column: 5.18 feet

Purging Activities

Purged By: JC — Purge Date: 10/29/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 5.18 ft. x 0.022 = 0.11 L x 3 Vol. = 0.33 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Cloudy — Odor: None — Color: lt yellow

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:18	0.0	235	purge start time						
11:25	1.6	↓	7.11	752.90	18.92	2.59	19.50	371.10	
11:28	2.4		7.11	755.30	18.94	2.17	21.10	285.60	
11:31	3.1		7.12	758.60	19.16	2.32	23.20	201.05	
11:34	3.8		7.13	762.20	19.14	2.53	26.20	177.57	
11:37	4.5		7.13	761.40	19.06	2.33	26.30	147.43	
11:40	5.2		7.12	761.70	18.84	2.21	27.10	66.08	
11:43	5.9		7.11	761.10	18.77	1.91	26.60	57.60	
11:46	6.6		7.12	762.50	19.03	1.94	26.70	244.15	
11:49	7.3		7.12	763.30	19.04	2.14	28.00	108.74	
11:52	8.0		7.12	762.90	18.97	2.27	29.80	86.18	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/29/2024 11:52
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 7.12 pH — 762.90 Spec. Cond. — 18.97 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 16.31 feet below TOC — Drawdown: 0.21 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/29/2024

Field Data Sheet

Project Name: COF- 24Q4 | **Monitoring Point:** T128
Project Location: Coffeen, Illinois | **Sample ID:** 092
W.O. Number (s): 24101589 | **Date (s):** 10/29/2024

Field Team Members

Name: Justin Colp | Affiliation: TekLab, Inc.
Name: Danny Crump | Affiliation: TekLab, Inc.

Weather Conditions

Temp: 77 °F | Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy | Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 11:55
Static Water Level: 15.72 feet below TOC
Total Depth: 28.70 feet below TOC
Water Column: 12.98 feet

Purging Activities

Purged By: JC | Purge Date: 10/29/2024
Purge Method: Bladder Pump | Well Diameter: 2"
Purge Volume Calculation (L): 12.98 ft. x 0.022 = 0.29 L x 3 Vol. = 0.87 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear | Odor: Slight | Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:57	0.0	250	purge start time						
12:03	1.5	↓	6.99	734.50	17.95	2.42	-131.00	0.66	
12:06	2.3		7.00	732.40	17.96	1.68	-127.20	0.56	
12:09	3.0		7.00	729.80	17.98	1.35	-123.70	0.51	
12:12	3.8		7.00	724.90	17.99	1.18	-120.10	0.27	
12:15	4.5		7.00	723.40	17.99	1.07	-116.10	0.04	

Sampling Activities

Sampled By: JC | Sample Date/Time: 10/29/2024 12:15
Sample Method: Low Flow | Sample Equipment: Bladder Pump
Sample Parameters: 7.00 pH | 723.40 Spec. Cond. | 17.99 Temp
Field Filtered: Yes | Filter Type: Inline Disposable
Water Level: 15.72 feet below TOC | Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp | **Date:** 10/29/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: X201
Sample ID: 093
Date (s): 11/7/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 55 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad:
Casing:
Protective Casing:
Reference Mark/Identification:

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 10:55
Static Water Level: 20.77 feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: JC — Purge Date: 11/7/2024
Purge Method: Direct Grab — Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L): 1.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:55	0.0		purge start time						
10:58	1.0		4.64	15,946.70	16.12	9.39	223.60	2.21	

Sampling Activities

Sampled By: JC — Sample Date/Time: 11/7/2024 10:58
Sample Method: Low Flow — Sample Equipment: Direct Grab
Sample Parameters: 4.64 pH — 15,946.70 Spec. Cond. — 16.12 Temp
Field Filtered: No — Filter Type: Lab Filtered
Water Level: - feet below TOC — Drawdown: - feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 11/7/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: XSG-01
Sample ID: 094
Date (s): 10/29/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 77 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad:
Casing:
Protective Casing:
Reference Mark/Identification:

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 14:43
Static Water Level: 7.56 feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: — Purge Date:
Purge Method: — Well Diameter:
Purge Volume Calculation (L): **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L):
Physical appearance of purge water: — Odor: — Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: — Sample Date/Time:
Sample Method: — Sample Equipment:
Sample Parameters: pH — Spec. Cond. — Temp
Field Filtered: — Filter Type:
Water Level: feet below TOC — Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- DTW Only; no sample collected

Form Completed By: Tracy Carroll — **Date:** 10/29/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: Field Blank
Sample ID: 095
Date (s):

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 55 °F Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured:
Static Water Level: feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: Purge Date:
Purge Method: Direct Grab Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
			purge start time						

Sampling Activities

Sampled By: JC Sample Date/Time: 11/7/2024 12:55
Sample Method: Sample Equipment: Direct Grab
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp **Date:** 11/7/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: G102 Duplicate
Sample ID: 096
Date (s): 10/31/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 9:39
Static Water Level: 9.31 feet below TOC
Total Depth: 20.00 feet below TOC
Water Column: 10.69 feet

Purging Activities

Purged By: JC — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 10.69 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:41	0.0	194	purge start time						
9:53	2.3	↓	7.10	720.10	17.08	2.25	89.90	1.10	
9:56	2.9		7.09	716.70	17.08	2.13	88.40	0.77	
9:59	3.5		7.09	712.90	17.09	2.06	86.70	0.55	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/31/2024 9:59
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 7.09 pH — 712.90 Spec. Cond. — 17.09 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 9.66 feet below TOC — Drawdown: 0.35 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/31/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G200 Duplicate
Project Location:	Coffeen, Illinois	**Sample ID:**	097
W.O. Number (s):	24101589	**Date (s):**	10/29/2024

Field Team Members

Name: Brett Gillihan — Affiliation: TekLab, Inc.
Name: Payton Yoch — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 77 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

		Locks	Yes	No
Well Pad	Good	Protective Casing	X	
Casing	Good	Well		X
Protective Casing	Good			
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 12:05
Static Water Level: 6.22 feet below TOC
Total Depth: 20.70 feet below TOC
Water Column: 14.48 feet

Purging Activities

Purged By: BG — Purge Date: 10/29/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 14.48 ft. x 0.022 = 0.32 L x 3 Vol. = 0.96 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear — Odor: None — Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:05	0.0	89	purge start time						
12:24	1.7	↓	6.98	804.80	21.22	3.44	-7.60	4.65	
12:27	2.0		6.90	813.30	21.29	2.51	-10.40	4.36	
12:30	2.3		6.88	815.40	21.26	2.06	-12.30	4.40	
12:33	2.5		6.87	815.70	21.42	1.87	-14.20	5.03	

Sampling Activities

Sampled By: BG — Sample Date/Time: 10/29/2024 12:33
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.87 pH — 815.70 Spec. Cond. — 21.42 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 6.33 feet below TOC — Drawdown: 0.11 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan — **Date:** 10/29/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	G217 Duplicate
Project Location:	Coffeen, Illinois	**Sample ID:**	098
W.O. Number (s):	24101589	**Date (s):**	10/31/2024

Field Team Members

Name: Justin Colp — Affiliation: TekLab, Inc.
Name: Danny Crump — Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F — Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☑ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☑ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 10:27

Static Water Level: 18.86 feet below TOC
Total Depth: 28.40 feet below TOC
Water Column: 9.54 feet

Purging Activities

Purged By: JC — Purge Date: 10/31/2024
Purge Method: Bladder Pump — Well Diameter: 2"
Purge Volume Calculation (L): 9.54 ft. x 0.022 = 0.21 L x 3 Vol. = 0.63 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:28	0.0	200	purge start time						
10:35	1.4	↓	6.73	1,702.90	16.33	2.58	-88.70	5.01	
10:38	2.0		6.73	1,694.60	16.33	1.96	-87.40	19.91	
10:41	2.6		6.73	1,690.30	16.31	1.63	-86.40	29.89	
10:44	3.2		6.73	1,687.40	16.28	1.42	-86.00	38.38	
10:47	3.8		6.73	1,685.90	16.30	1.28	-87.80	62.74	
10:50	4.4		6.73	1,689.90	16.28	1.18	-89.00	58.01	
10:53	5.0		6.73	1,689.50	16.28	1.12	-89.90	72.85	

Sampling Activities

Sampled By: JC — Sample Date/Time: 10/31/2024 10:53
Sample Method: Low Flow — Sample Equipment: Bladder Pump
Sample Parameters: 6.73 pH — 1,689.50 Spec. Cond. — 16.28 Temp
Field Filtered: Yes — Filter Type: Inline Disposable
Water Level: 19.10 feet below TOC — Drawdown: 0.24 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp — **Date:** 10/31/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: G301 Duplicate
Sample ID: 099
Date (s): 11/7/2024

Field Team Members

Name: Tracy Carroll — Affiliation: TekLab, Inc.
Name: — Affiliation:

Weather Conditions

Temp: 61 °F — Wind Direction: ☐ N ☑ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy — Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 12:54
Static Water Level: 7.30 feet below TOC
Total Depth: 18.60 feet below TOC
Water Column: 11.30 feet

Purging Activities

Purged By: TAC — Purge Date: 11/7/2024
Purge Method: Peristaltic Pump — Well Diameter: 2"
Purge Volume Calculation (L): 11.3 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear — Odor: None — Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:54	0.0	208	purge start time						
13:03	1.9	↓	6.69	991.30	16.61	3.92	140.60	3.90	
13:06	2.5		6.64	983.80	16.55	3.72	145.50	3.69	
13:09	3.1		6.62	979.60	16.75	3.48	147.70	2.69	
13:12	3.7		6.61	978.90	16.75	3.28	148.40	2.31	
13:15	4.4		6.60	972.90	16.68	3.09	148.70	2.41	
13:18	5.0		6.60	972.10	16.73	2.99	148.40	2.35	

Sampling Activities

Sampled By: TAC — Sample Date/Time: 11/7/2024 13:18
Sample Method: Low Flow — Sample Equipment: Peristaltic Pump
Sample Parameters: 6.60 pH — 972.10 Spec. Cond. — 16.73 Temp
Field Filtered: No — Filter Type:
Water Level: 8.61 feet below TOC — Drawdown: 1.31 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By: Tracy Carroll — **Date:** 11/7/2024

Field Data Sheet

Project Name:	COF- 24Q4	**Monitoring Point:**	R201 Duplicate
Project Location:	Coffeen, Illinois	**Sample ID:**	100
W.O. Number (s):	24101589	**Date (s):**	10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 79 °F Wind Direction: ☑ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☑ None ☐ Light ☐ Heavy Sky: ☑ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good
Casing	Good
Protective Casing	Good
Reference Mark/Identification	Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 13:49
Static Water Level: 6.49 feet below TOC
Total Depth: 22.20 feet below TOC
Water Column: 15.71 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 15.71 ft. x 0.022 = 0.35 L x 3 Vol. = 1.05 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Slightly cloudy Odor: Slight Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:49	0.0	381	purge start time						
13:58	3.4	↓	6.80	1,046.90	17.63	0.54	-103.70	136.67	
14:01	4.6		6.79	1,049.40	17.38	0.51	-102.30	6.60	
14:04	5.7		6.79	1,049.20	17.12	0.48	-100.80	127.52	
14:07	6.9		6.79	1,049.60	17.09	0.46	-100.50	219.63	
14:10	8.0		6.78	1,047.30	17.09	0.46	-99.90	20.89	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 14:10
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.78 pH 1,047.30 Spec. Cond. 17.09 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.58 feet below TOC Drawdown: 0.09 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan **Date:** 10/30/2024

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: Equipment Blank 1
Sample ID: 101
Date (s):

Field Team Members

Name: _____ Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
			purge start time						

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Not used; no non-dedicated equipment used.

Form Completed By: _____ **Date:** _____

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: Equipment Blank 2
Sample ID: 102
Date (s):

Field Team Members

Name: _____ Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
			purge start time						

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Not used; no non-dedicated equipment used.

Form Completed By: _____ **Date:** _____

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: Equipment Blank 3
Sample ID: 103
Date (s):

Field Team Members

Name: _____ Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: _____ °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE ☐ NW

Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: _____
Static Water Level: _____ feet below TOC
Total Depth: _____ feet below TOC
Water Column: _____ feet

Purging Activities

Purged By: _____ Purge Date: _____
Purge Method: _____ Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): _____
Physical appearance of purge water: _____ Odor: _____ Color: _____

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
			purge start time						

Sampling Activities

Sampled By: _____ Sample Date/Time: _____
Sample Method: _____ Sample Equipment: _____
Sample Parameters: _____ pH _____ Spec. Cond. _____ Temp
Field Filtered: _____ Filter Type: _____
Water Level: _____ feet below TOC Drawdown: _____ feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Not used; no non-dedicated equipment used.

Form Completed By: _____ **Date:** _____

Site Samping Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 2024

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 210771 Technician(s): justin colp Date: 10/29/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/29/24 8:53
7.0 Buffer	wc240913b	7.00	10/29/24 8:48
10.0 Buffer	wc240625b	10.00	10/29/24 8:59
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/29/24 9:04

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.04	10/29/24 9:04
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	10/29/24 9:11	20.7	7.02	1,414	0.04		
CCV-1-JC	CCV	10/29/24 14:20	24.8	6.98	1,422	0.05		

Comments:

Field Meter ID: Pine 210771 Technician(s): justin colp Date: 10/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/30/24 8:26
7.0 Buffer	wc240913b	7.00	10/30/24 8:21
10.0 Buffer	wc240625b	10.00	10/30/24 8:30
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/30/24 8:35

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.1	10/30/24 8:35
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-JC	LCS	10/30/24 8:38	20.8	7.02	1,416	0.09		
CCV-2-JC	CCV	10/30/24 14:47	24.8	7.02	1,427	0.05		

Comments:

Site Samping Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 2024

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 210771 Technician(s): justin colp Date: 10/31/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/31/24 8:35
7.0 Buffer	wc240913b	7.00	10/31/24 8:30
10.0 Buffer	wc240625b	10.00	10/31/24 8:40
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/31/24 8:46

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.04	10/31/24 8:46
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-JC	LCS	10/31/24 8:48	20.9	7.01	1,414	0.04		
CCV-3-JC	CCV	10/31/24 14:41	21.9	7.03	1,432	0.02		

Comments:

Field Meter ID: Pine 210771 Technician(s): justin colp Date: 11/4/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	11/4/24 9:00
7.0 Buffer	wc240913b	7.00	11/4/24 8:54
10.0 Buffer	wc240625b	10.00	11/4/24 9:05
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	11/4/24 9:09

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.04	11/4/24 9:10
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-JC	LCS	11/4/24 9:12	20.7	6.99	1,411	0.05		
CCV-4-JC	CCV	11/4/24 14:14	23.1	7.04	1,419	0.11		

Comments:

Site Samping Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 2024

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 210771 Technician(s): justin colp Date: 11/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	11/6/24 8:41
7.0 Buffer	wc240913b	7.00	11/6/24 8:37
10.0 Buffer	wc240625b	10.00	11/6/24 8:45
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	11/6/24 8:51

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.23	11/6/24 8:51
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5-JC	LCS	11/6/24 8:55	15.2	6.98	1,414	0.21		
CCV-5-JC	CCV	11/6/24 14:19	18.8	7.04	1,428	0.42		

Comments:

Field Meter ID: Pine 210771 Technician(s): justin colp Date: 11/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	11/7/24 9:55
7.0 Buffer	wc240913b	7.00	11/7/24 9:50
10.0 Buffer	wc240625b	10.00	11/7/24 10:01
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1413	11/7/24 10:06

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.29	11/7/24 10:06
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6-JC	LCS	11/7/24 10:09	16.1	7.01	1,417	0.3		
CCV-6-JC	CCV	11/7/24 13:11	16.5	7.02	1,425	0.35		

Comments:

Site Samping Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): Tracy Carroll Date: 11/4/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	11/4/24 10:26
7.0 Buffer	WC240913B	7.03	11/4/24 10:26
10.0 Buffer	WC24000625B	10.07	11/4/24 10:31
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	11/4/24 10:33

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.45	11/4/24 10:41
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-TC	LCS	11/4/24 10:43	19	7.09	1,411	0.45		
CCV-1-TC	CCV	11/4/24 14:38	19.6	7.09	1,433	0.99		

Comments:

Field Meter ID: Pine 45720 Technician(s): Tracy Carroll Date: 11/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	11/6/24 9:07
7.0 Buffer	WC240913B	7.00	11/6/24 9:05
10.0 Buffer	WC24000625B	10.00	11/6/24 9:19
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1413	11/6/24 9:21

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-TC	LCS	11/6/24 9:26	12.7	7.06	1,412	0.65		
CCV-2-TC	CCV	11/6/24 14:29	18.3	6.97	1,444	0.36		

Comments:

Site Samping Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): Tracy Carroll Date: 11/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.02	11/7/24 12:37
7.0 Buffer	WC240913B	7.00	11/7/24 12:38
10.0 Buffer	WC24000625B	10.02	11/7/24 12:40
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	11/7/24 12:41

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-TC	LCS	11/7/24 12:42	15.4	7.04	1,413	0.9		
CCV-3-TC	CCV	11/7/24 13:43	16.4	7.09	1,413	0.089		

Comments:

Site Samping Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 2024

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 210760 Technician(s): Brett Gillihan Date: 10/29/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/29/24 8:50
7.0 Buffer	WC240913B	7.00	10/29/24 8:54
10.0 Buffer	WC24000625B	10.00	10/29/24 8:58
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	10/29/24 9:01

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	10/29/24 9:05
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1-BG	LCS	10/29/24 9:08	18.4	7.00	1,413	1.6		
CCV-1-BG	CCV	10/29/24 14:56	19.9	7.06	1,420	1.8		

Comments:

Field Meter ID: Pine 210760 Technician(s): Brett Gillihan Date: 10/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	10/30/24 8:35
7.0 Buffer	WC240913B	7.00	10/30/24 8:32
10.0 Buffer	WC240625B	10.02	10/30/24 8:38
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1418	10/30/24 8:40

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.7	10/30/24 8:43
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2-BG	LCS	10/30/24 8:45	18.6	7.00	1,418	1.7		
CCV-2-BG	CCV	10/30/24 14:21	22.2	6.99	1,418	1.7		

Comments:

Site Samping Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 2024

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 210760 Technician(s): Brett Gillihan Date: 10/31/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	10/31/24 8:36
7.0 Buffer	WC240913B	6.99	10/31/24 8:32
10.0 Buffer	WC24000625B	9.98	10/31/24 8:40
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1419	10/31/24 8:42

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.3	10/31/24 8:45
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3-BG	LCS	10/31/24 8:47	18.3	6.99	1,419	1.3		
CCV-3-BG	CCV	10/31/24 1517	20.3	7.00	1,419	1.3		

Comments:

Field Meter ID: Pine 210760 Technician(s): Brett Gillihan Date: 11/4/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	11/4/24 9:18
7.0 Buffer	WC240913B	6.99	11/4/24 9:17
10.0 Buffer	WC24000625B	10.01	11/4/24 9:22
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1420	11/4/24 9:23

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.8	11/4/24 9:25
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4-BG	LCS	11/4/24 9:28	17.1	7..00	1,419	1.3		
CCV-4-BG	CCV							

Comments:

Site Samping Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 2024

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 210760 Technician(s): Brett Gillihan Date: 11/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	11/7/24 10:20
7.0 Buffer	WC240913B	6.98	11/7/24 10:17
10.0 Buffer	WC24000625B	10.01	11/7/24 10:23
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.		1412	11/7/24 10:31

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.7	11/7/24 10:35
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5-BG	LCS	11/7/24 10:35	17.8	6.99	1,412	1.7		
CCV-5	CCV	11/713:19	18.6	7.06	1,418	1.9		

Comments:

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45720
Description YSI Pro DSS
Calibrated 10/22/2024 4:41:15PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101794
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.58	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.57	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	11.50	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	4.19	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	121.34	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.247	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	269.50	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45720
Description YSI Pro DSS
Calibrated 10/22/2024 4:41:15PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	99.20	100.00	0.00%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL LOT#24014218	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24014218		9/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210760
Description YSI Pro DSS Sonde
Calibrated 10/24/2024 5:28:01PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 22C103125
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.20	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.14	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.10	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	0.16	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	135.47	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.484	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	235.60	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210760
Description YSI Pro DSS Sonde
Calibrated 10/24/2024 5:28:01PM

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	98.90	100.00	0.00%	Pass

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210771
Description YSI Pro DSS
Calibrated 10/22/2024 4:43:35PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 22C103115
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.00	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.90	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.03	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
0.00 / 0.00	NTU	0.00	NTU	-0.68	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.12	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.500	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	230.90	240.00	0.00%	Pass

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210771
Description YSI Pro DSS
Calibrated 10/22/2024 4:43:35PM

Group # 5
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	96.50	100.00	0.00%	Pass

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL LOT#24014218	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24014218		9/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

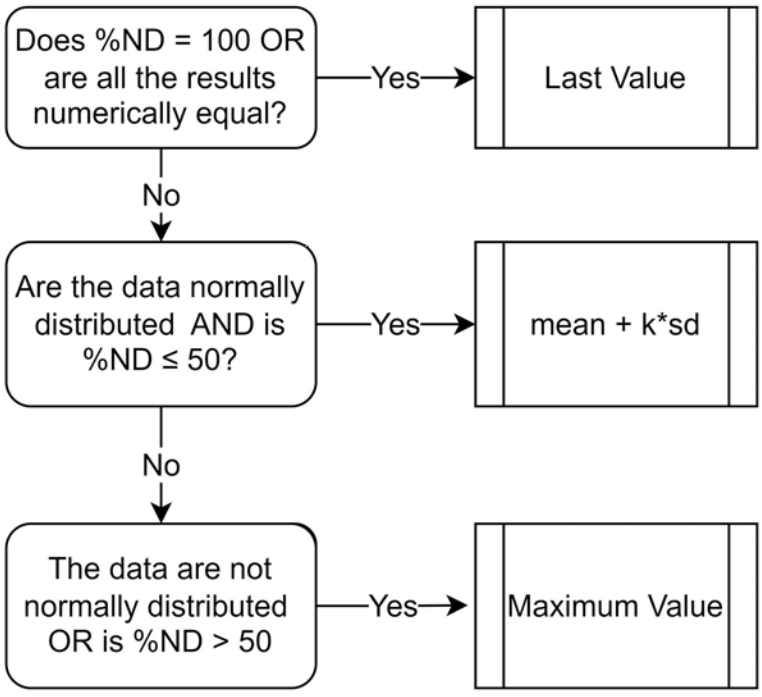
Calibration Result Calibration Successful
Who Calibrated Austin Carter

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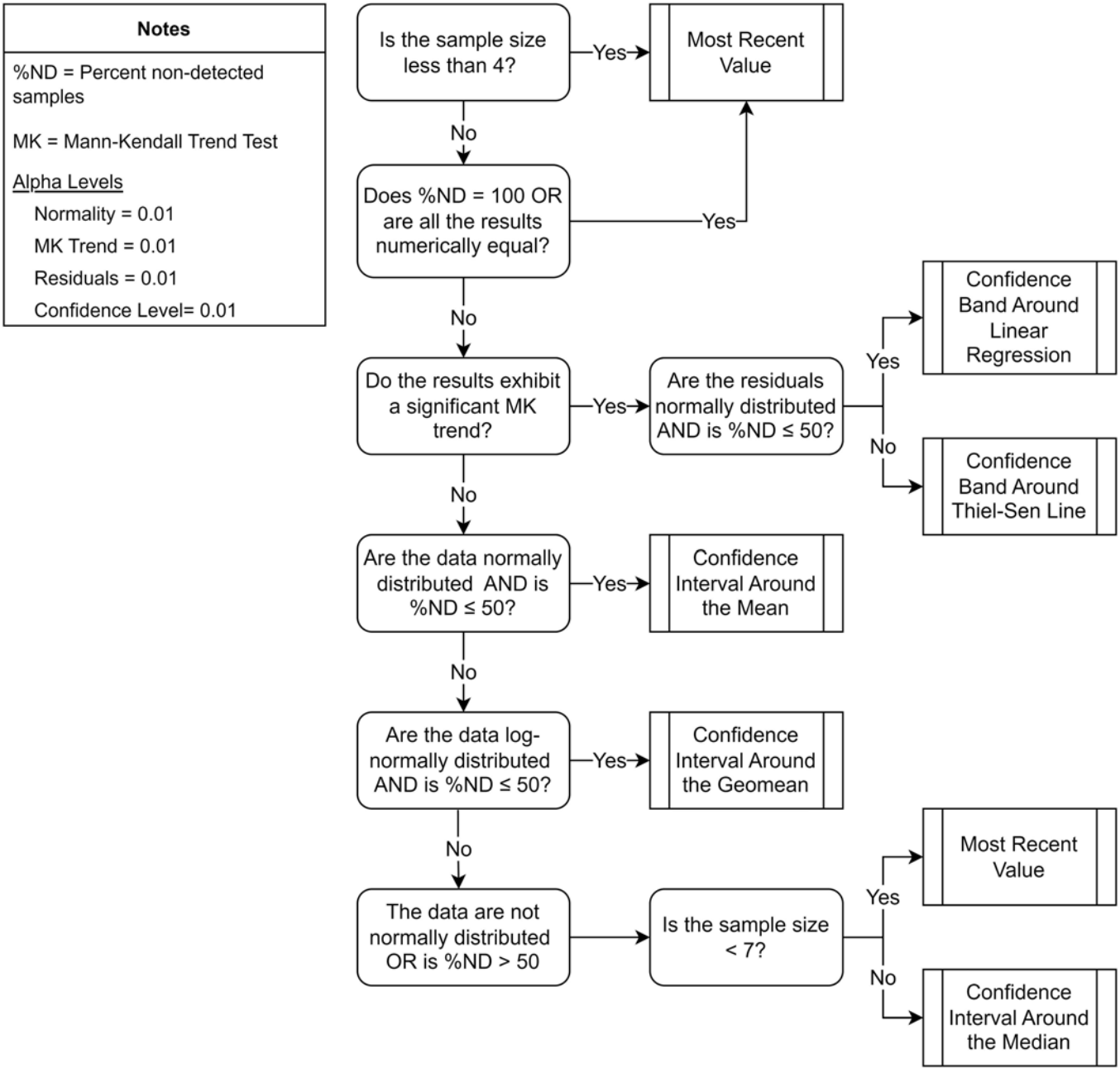
Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
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APPENDIX B
STATISTICAL METHODOLOGY FOR DETERMINATION OF BACKGROUND VALUES

Notes
%ND = Percent non-detected samples sd = standard deviation k = kappa for tolerance limit (95% confidence/95% coverage)



APPENDIX C
STATISTICAL METHODOLGY FOR DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS


Notes
%ND = Percent non-detected samples
MK = Mann-Kendall Trend Test
Alpha Levels
Normality = 0.01
MK Trend = 0.01
Residuals = 0.01
Confidence Level= 0.01
Is the sample size less than 4?
Yes
Most Recent Value
No
Does %ND = 100 OR are all the results numerically equal?
Yes
No
Do the results exhibit a significant MK trend?
Yes
Are the residuals normally distributed AND is %ND ≤ 50?
Yes
Confidence Band Around Linear Regression
No
Confidence Band Around Thiel-Sen Line
No
Are the data normally distributed AND is %ND ≤ 50?
Yes
Confidence Interval Around the Mean
No
Are the data log-normally distributed AND is %ND ≤ 50?
Yes
Confidence Interval Around the Geomean
No
The data are not normally distributed OR is %ND > 50
Is the sample size < 7?
Yes
Most Recent Value
No
Confidence Interval Around the Median